

Applicant(s): Takashi Tsuji et al.

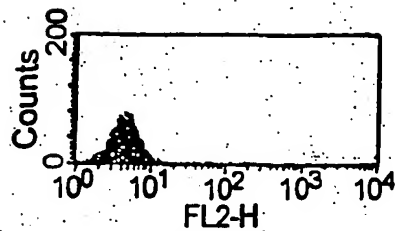
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 1A

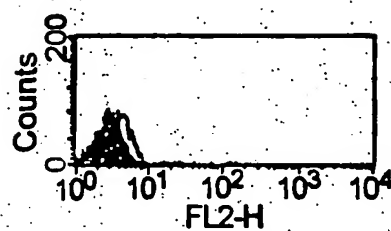


FIG. 1B

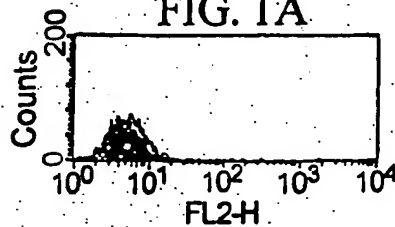


FIG. 1C

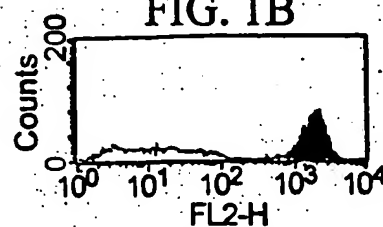


FIG. 1D

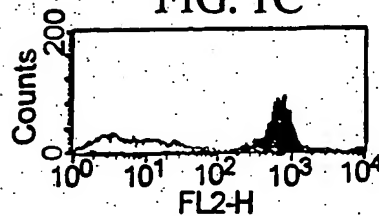


FIG. 1E

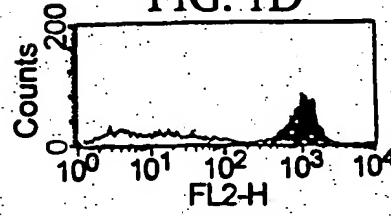


FIG. 1F

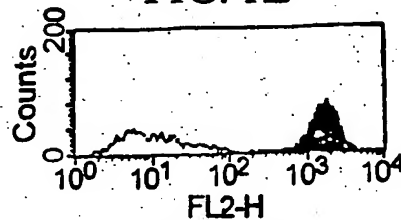


FIG. 1G

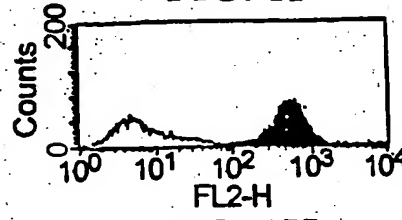


FIG. 1H

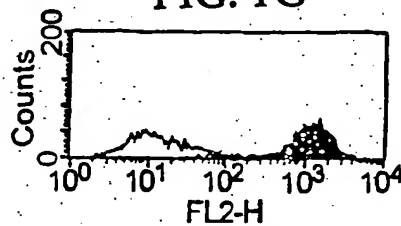


FIG. 1I

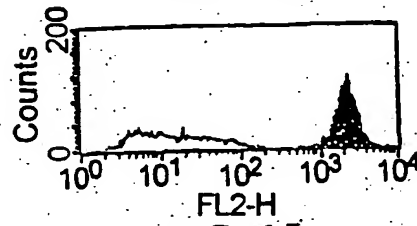


FIG. 1J

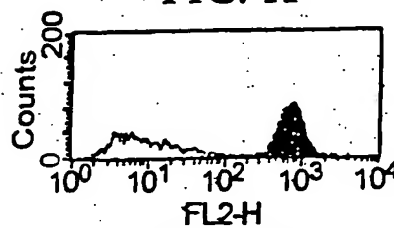


FIG. 1K

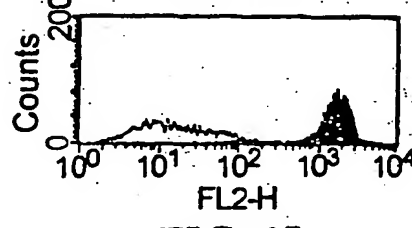


FIG. 1L

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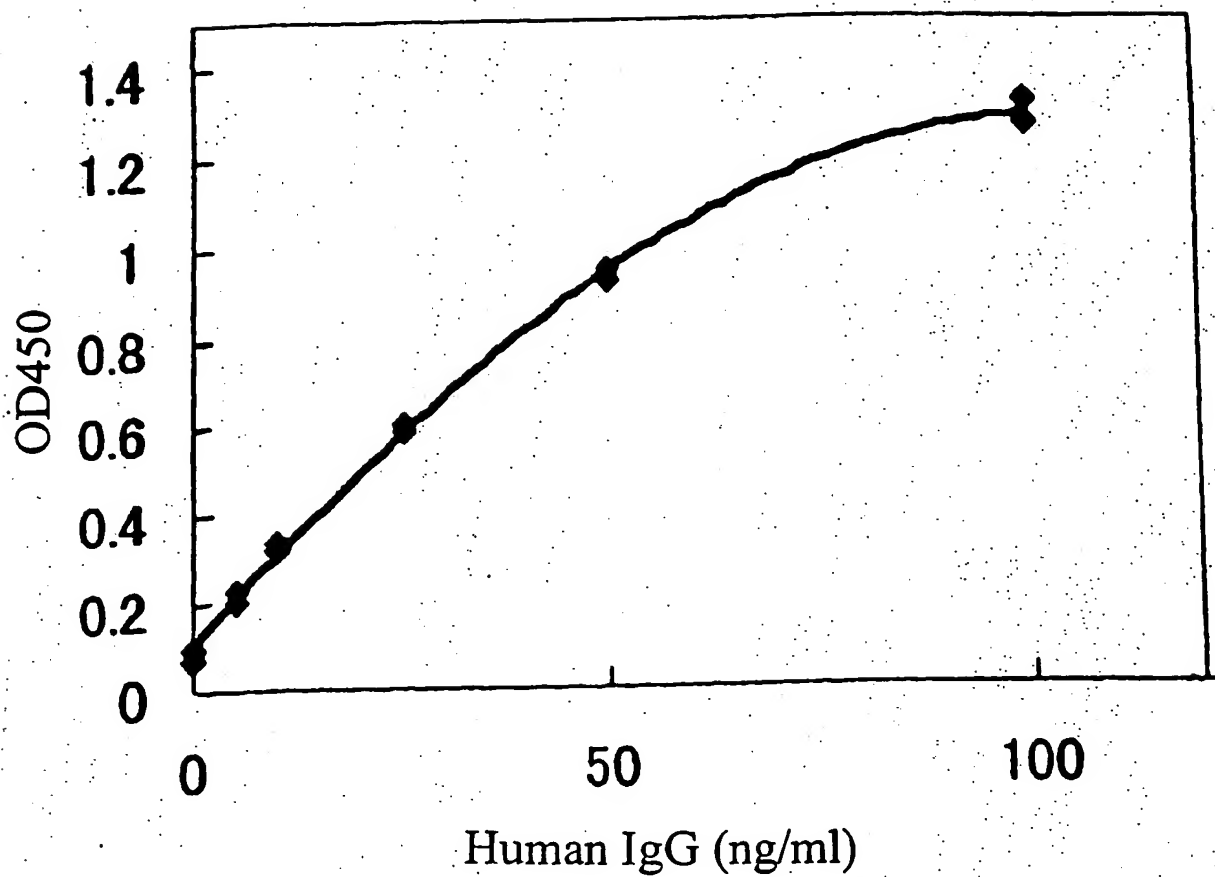
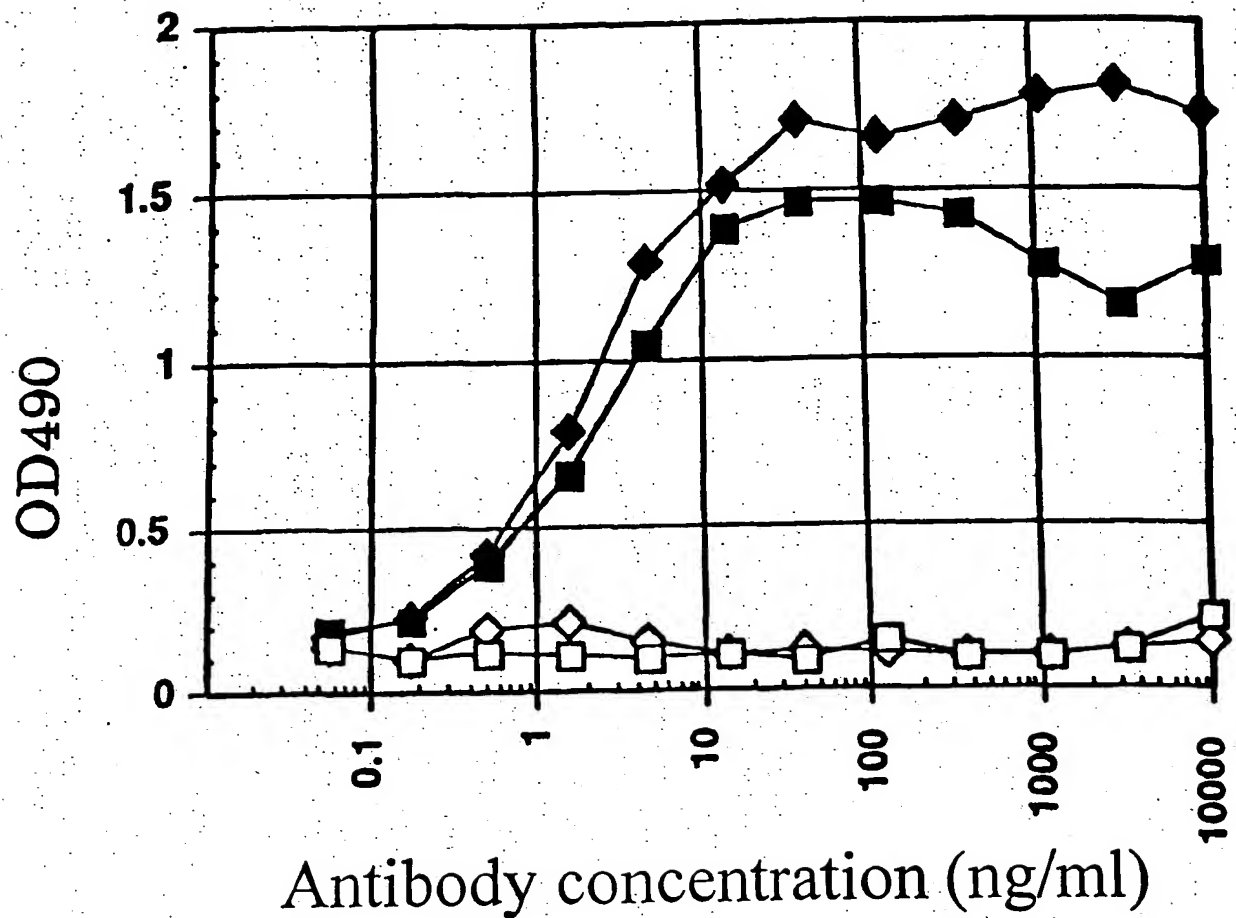
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 2



- SA12 CHO
- SA12 human
- ◇— SG430 CHO
- ◆— SG430 human

FIG. 3

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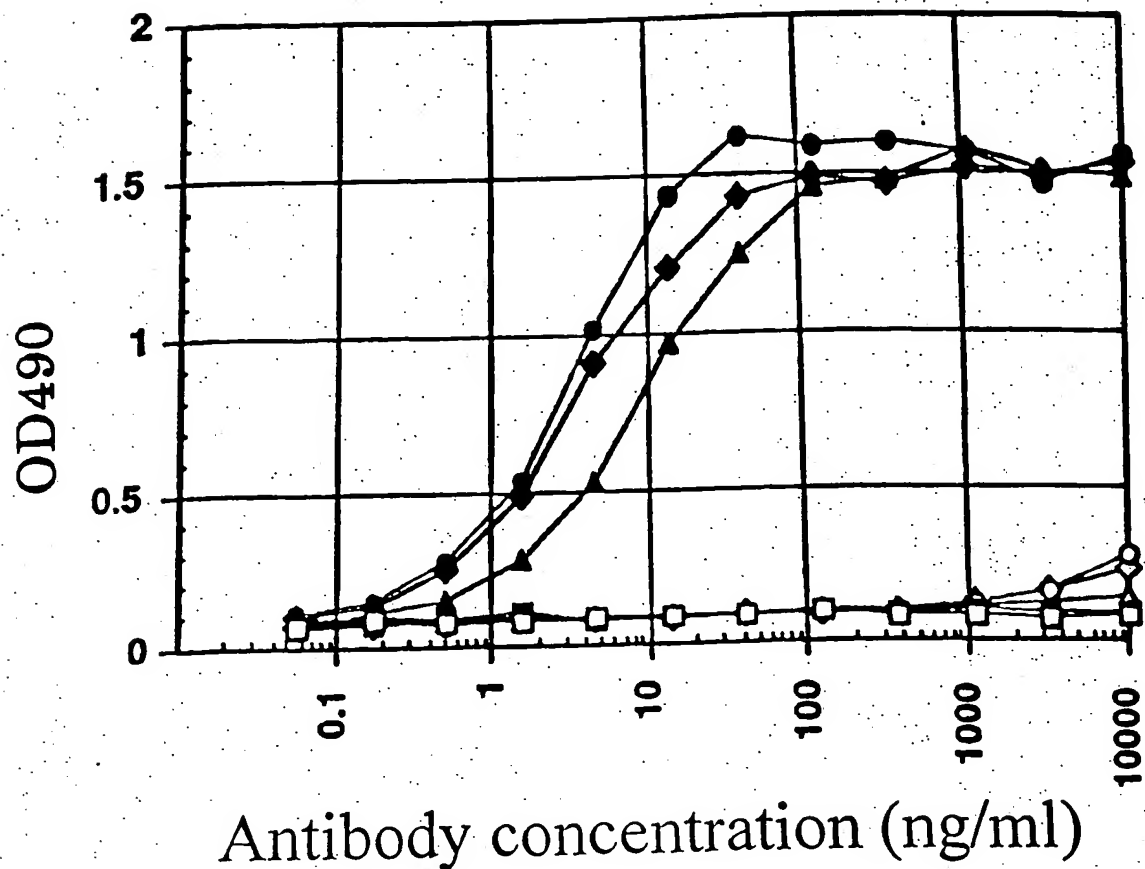
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 4

- KLH CHO
- KLH human
- JMAb124 CHO
- JMAb124 human
- ◇— JMAb126 CHO
- ◆— JMAb126 human
- △— JMAb127 CHO
- ▲— JMAb127 human

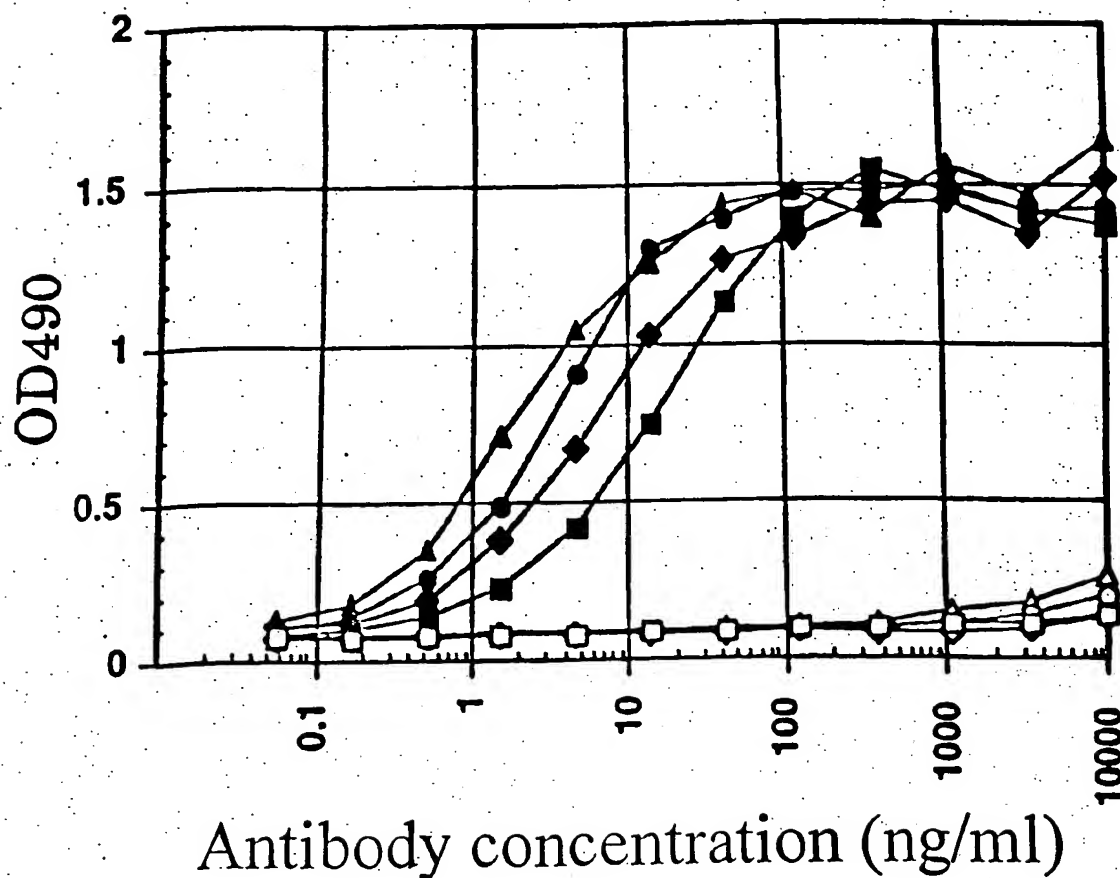
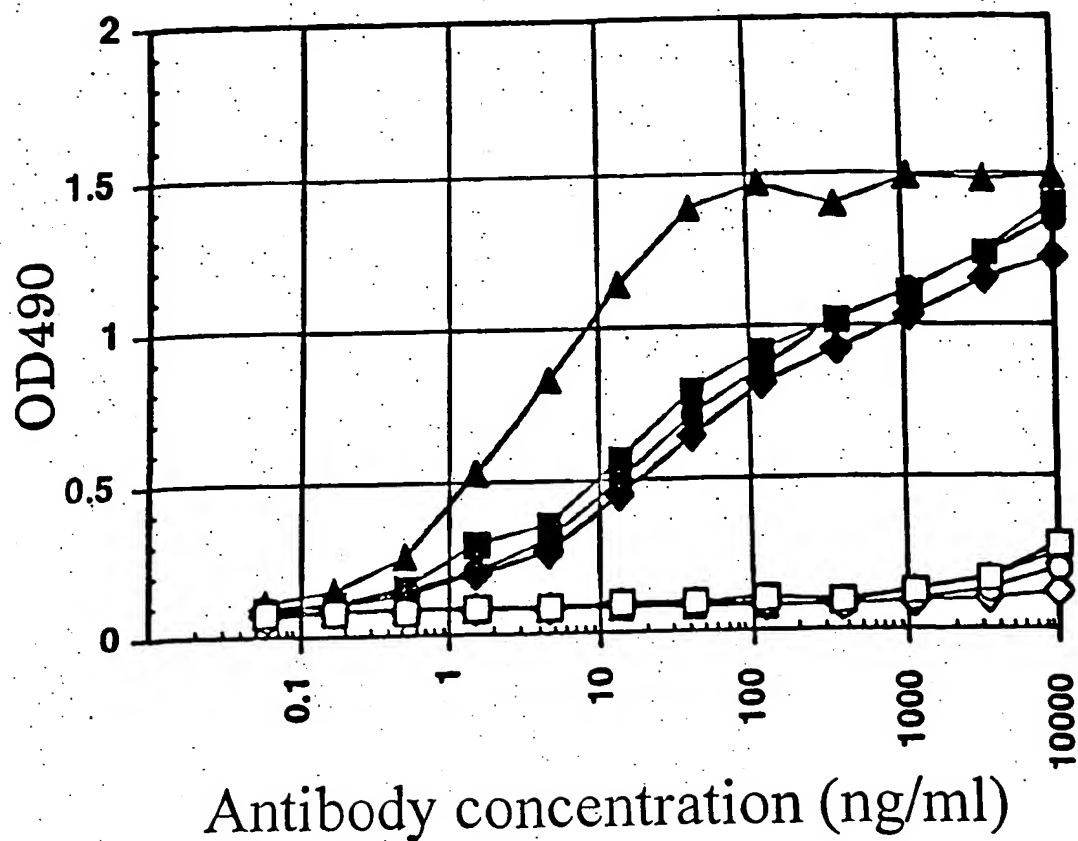


FIG. 5

- JMAb128 CHO
- JMAb128 human
- JMAb135 CHO
- JMAb135 human
- ◇— JMAb136 CHO
- ◆— JMAb136 human
- △— JMAb137 CHO
- ▲— JMAb137 human

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HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

- JMAb138 CHO
- JMAb138 human
- JMAb139 CHO
- JMAb139 human
- ◇— JMAb140 CHO
- ◆— JMAb140 human
- △— JMAb141 CHO
- ▲— JMAb141 human

FIG. 6

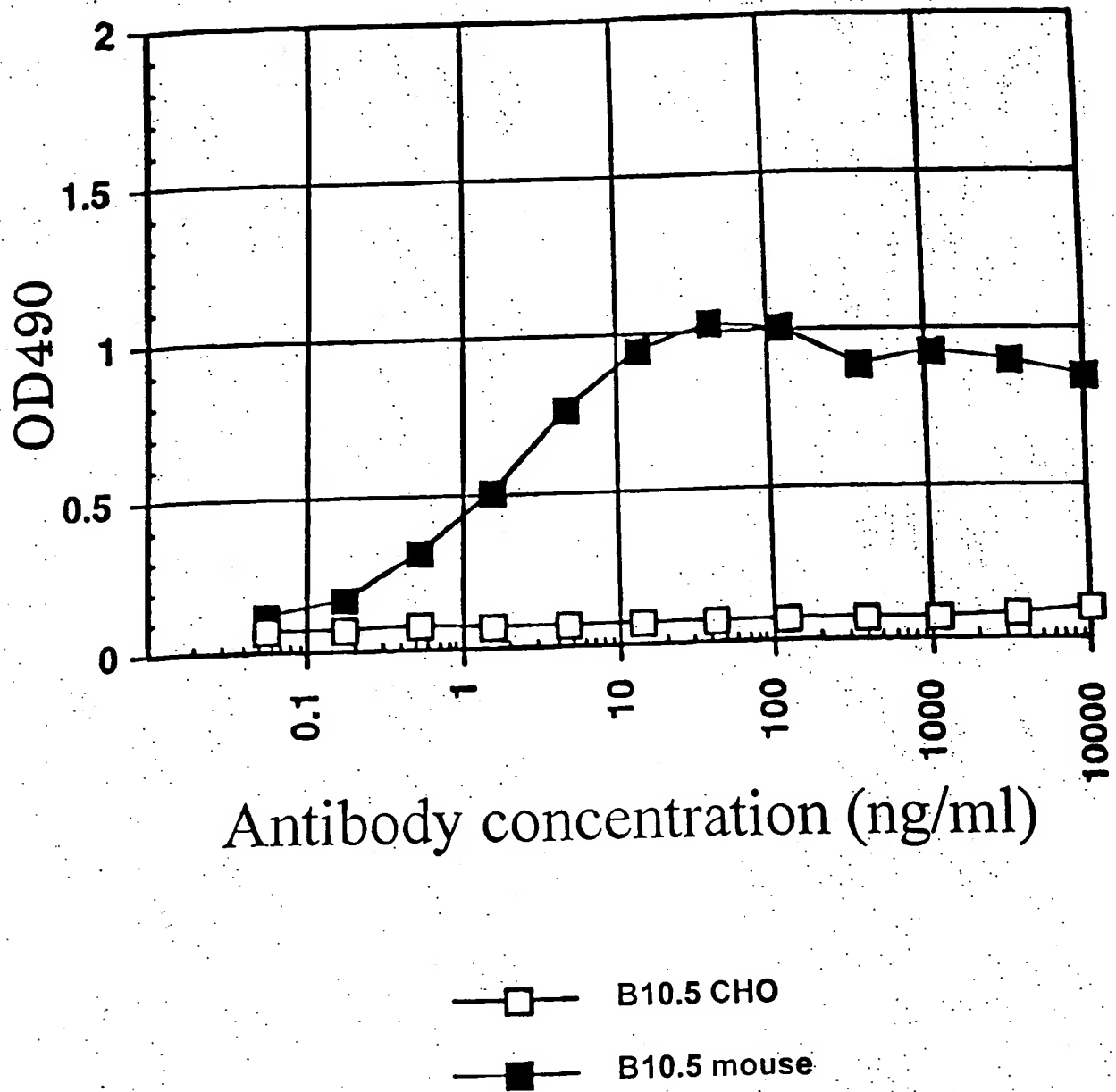


FIG. 7

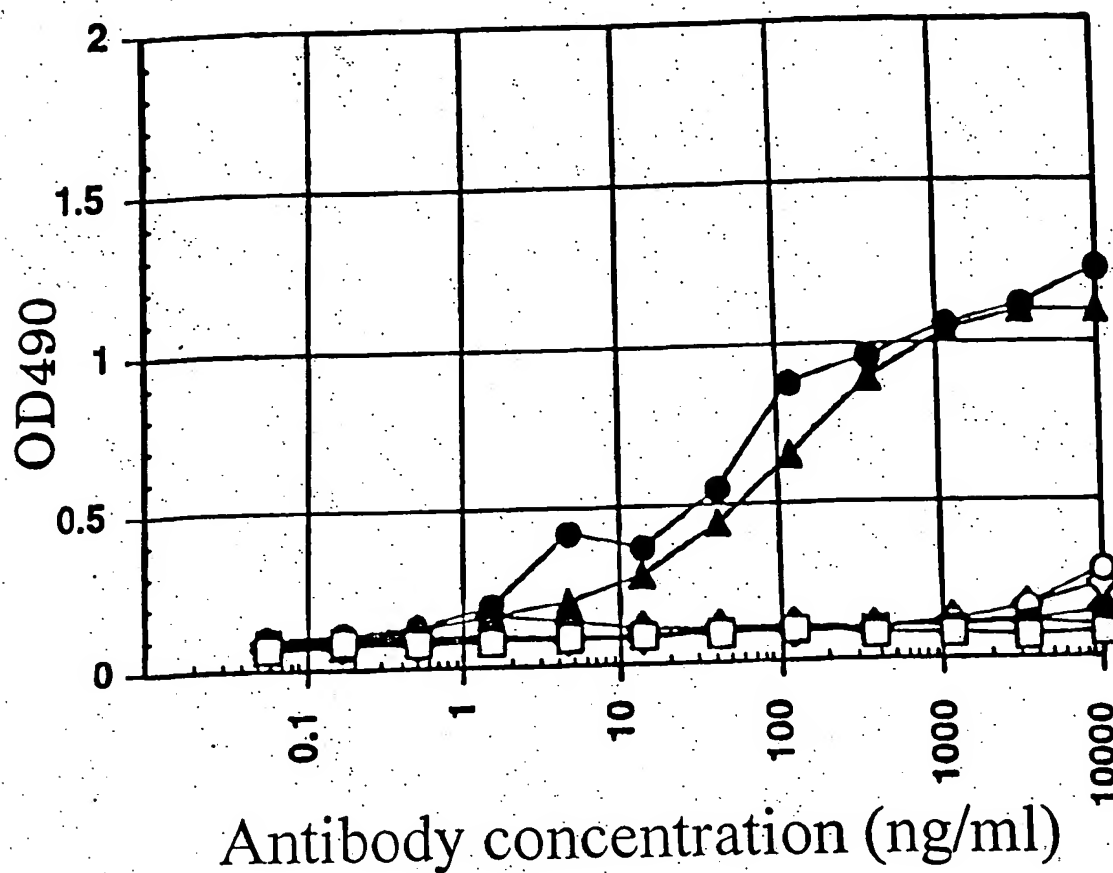
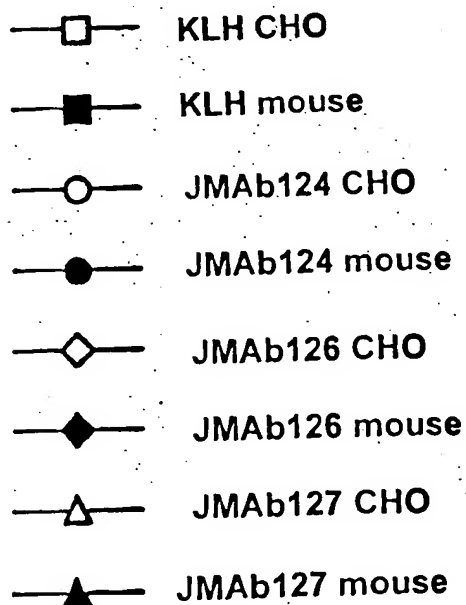


FIG. 8





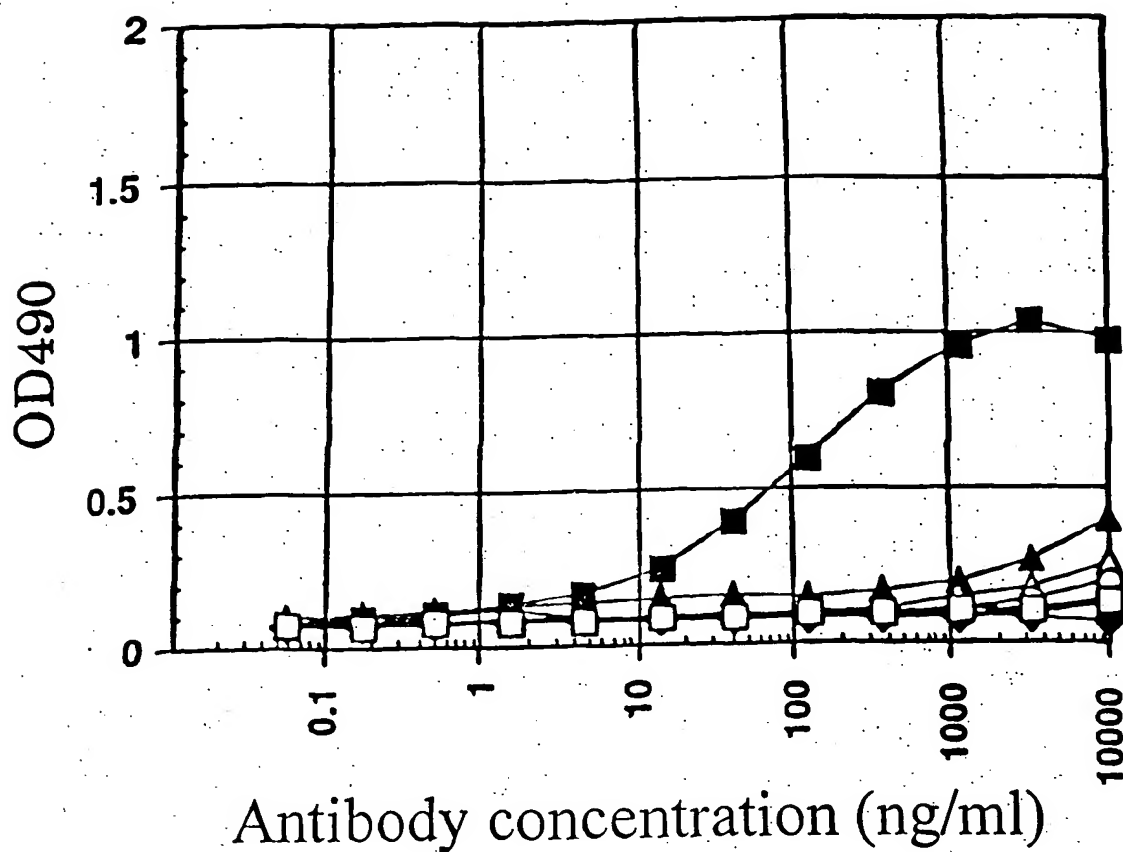
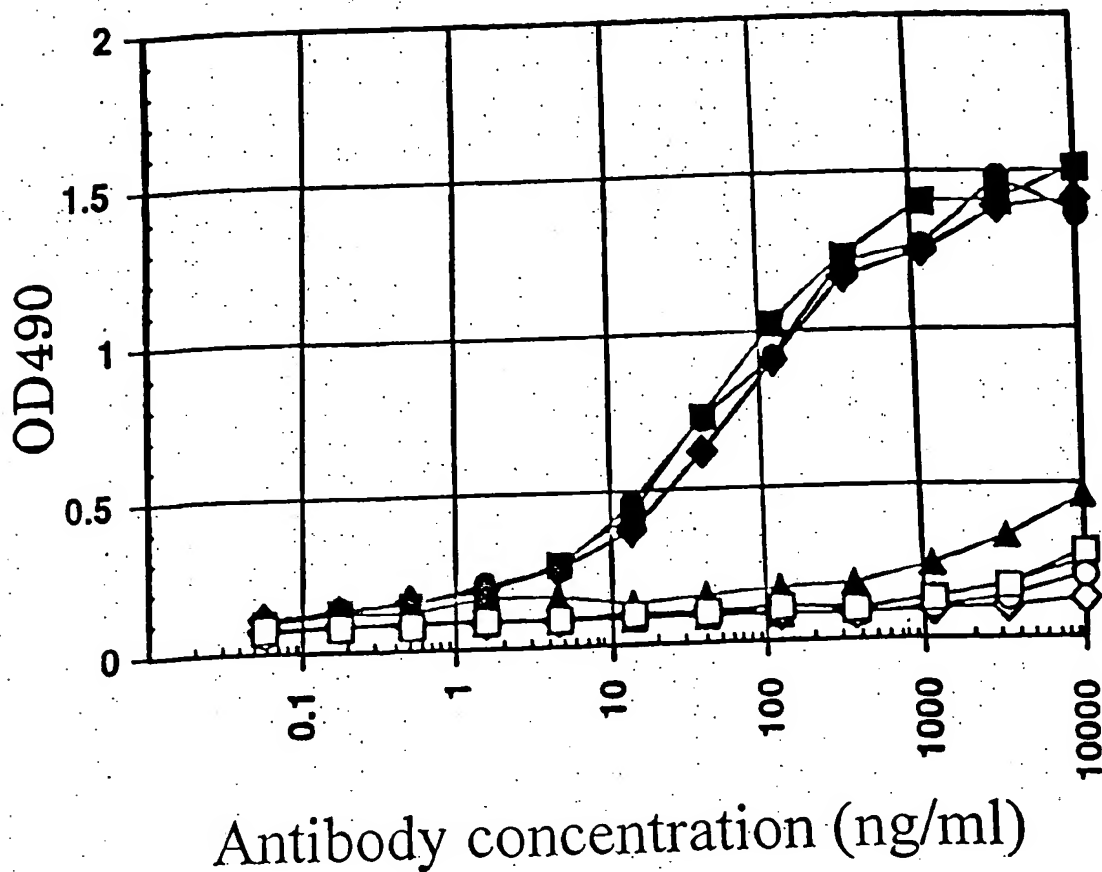


FIG. 9

- JMAb128 CHO
- JMAb128 mouse
- JMAb135 CHO
- JMAb135 mouse
- ◇— JMAb136 CHO
- ◆— JMAb136 mouse
- △— JMAb137 CHO
- ▲— JMAb137 mouse



- JMAb138 CHO
- JMAb138 mouse
- JMAb139 CHO
- JMAb139 mouse
- ◇— JMAb140 CHO
- ◆— JMAb140 mouse
- △— JMAb141 CHO
- ▲— JMAb141 mouse

FIG. 10

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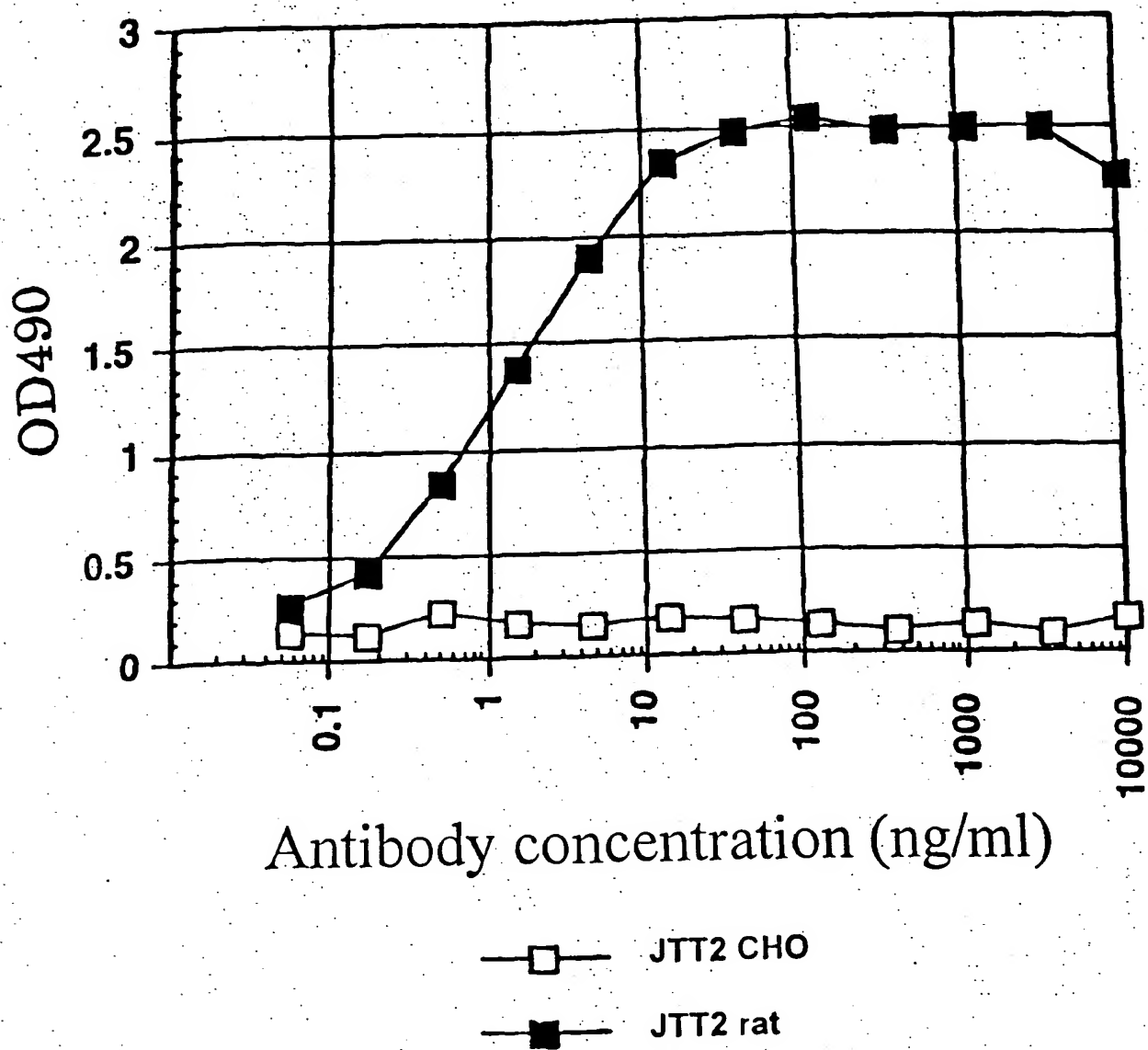
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 11

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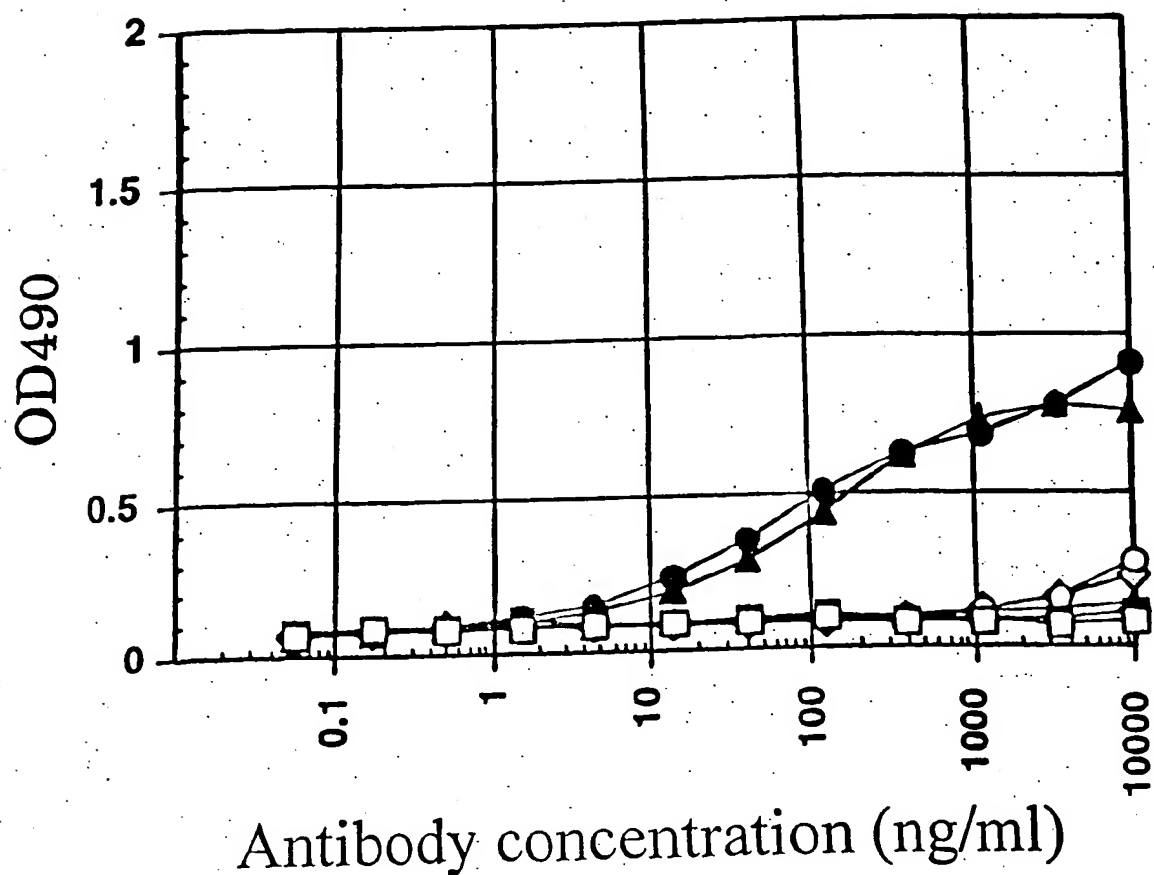
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 12

Applicant(s): Takashi Tsuji et al.

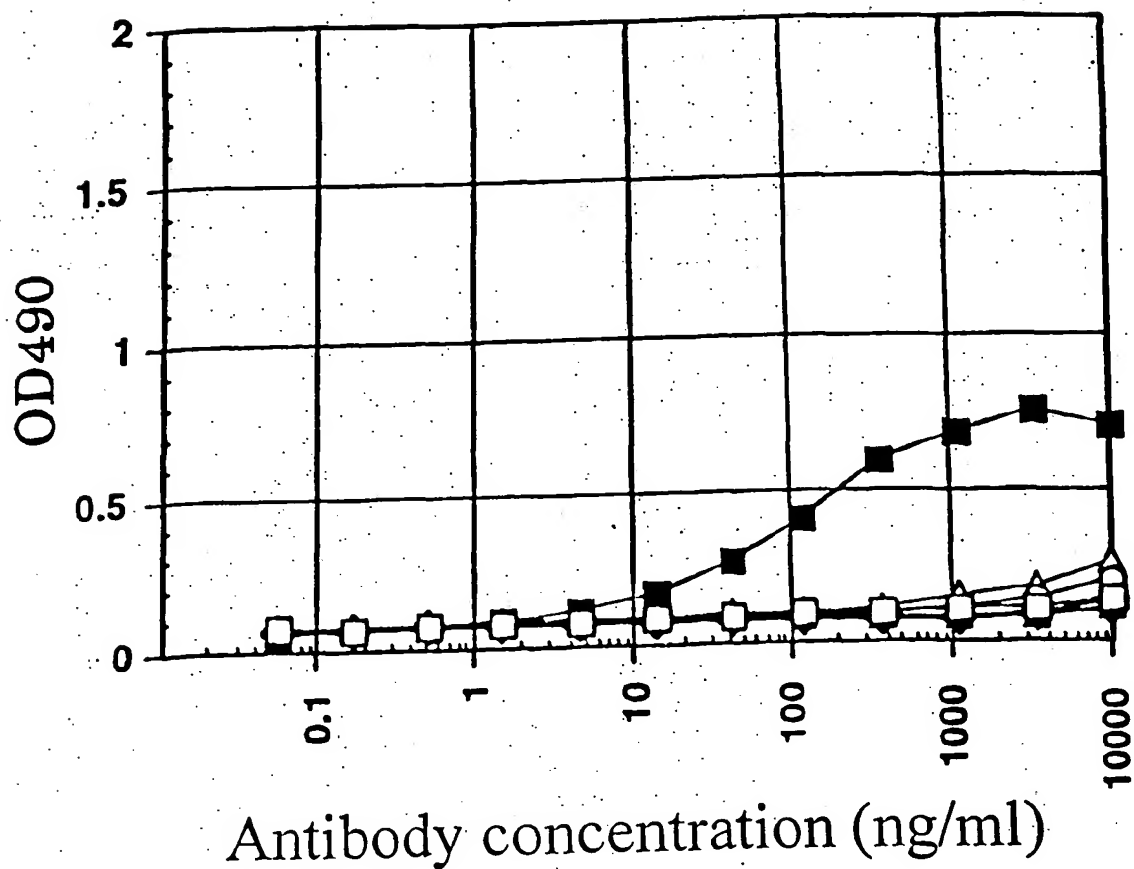
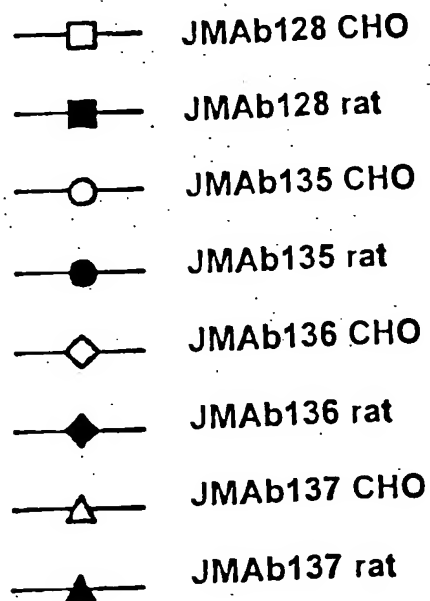
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 13



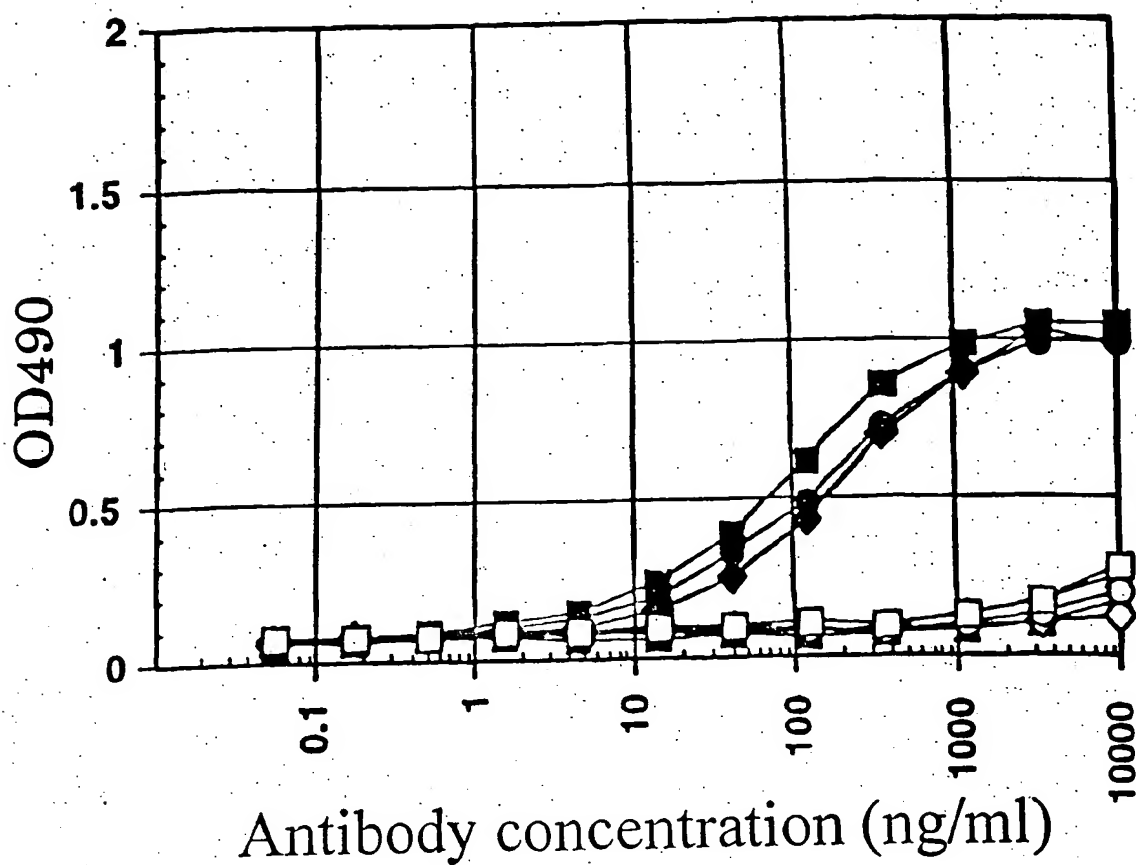
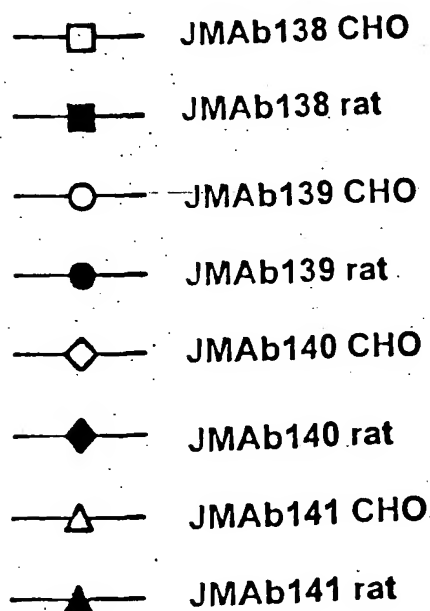


FIG. 14



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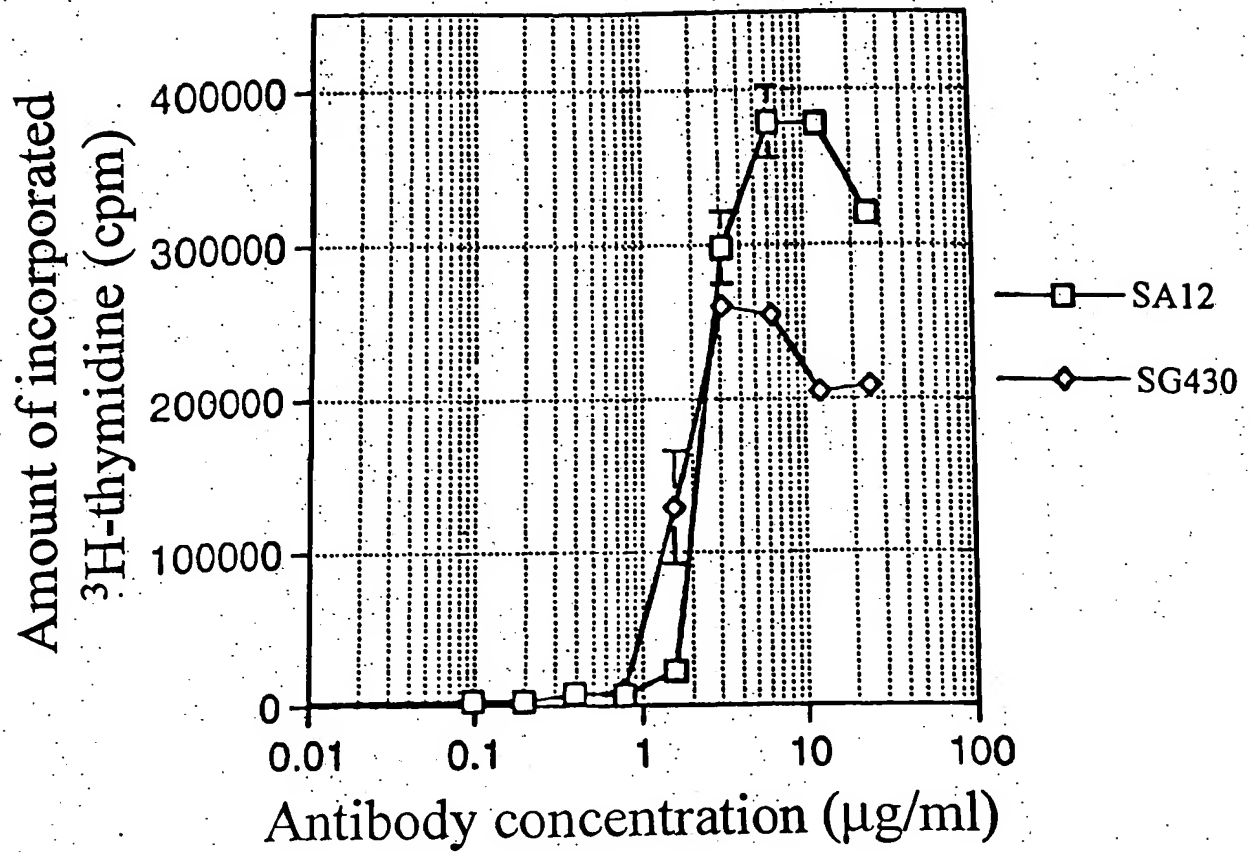
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 15

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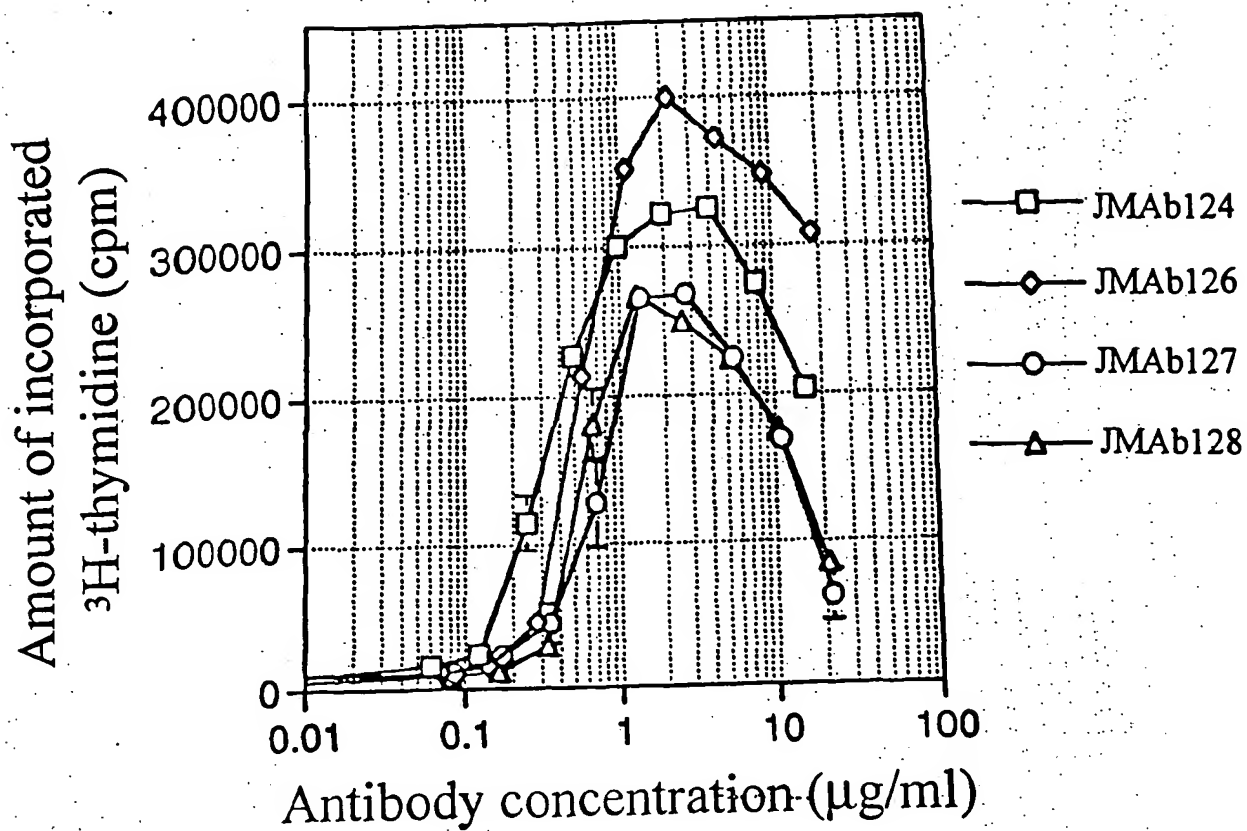
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 16



Applicant(s): Takashi Tsuji et al.

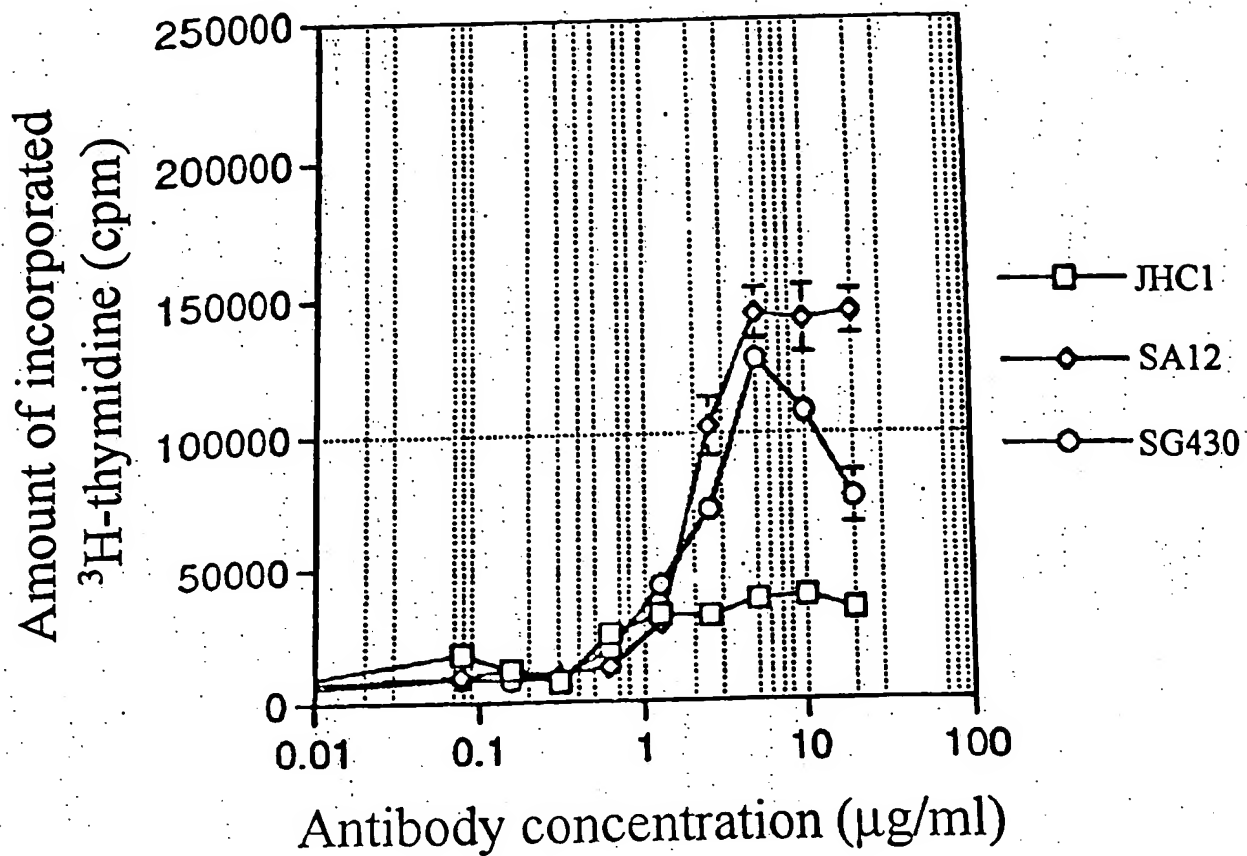
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 17

Applicant(s): Takashi Tsuji et al.

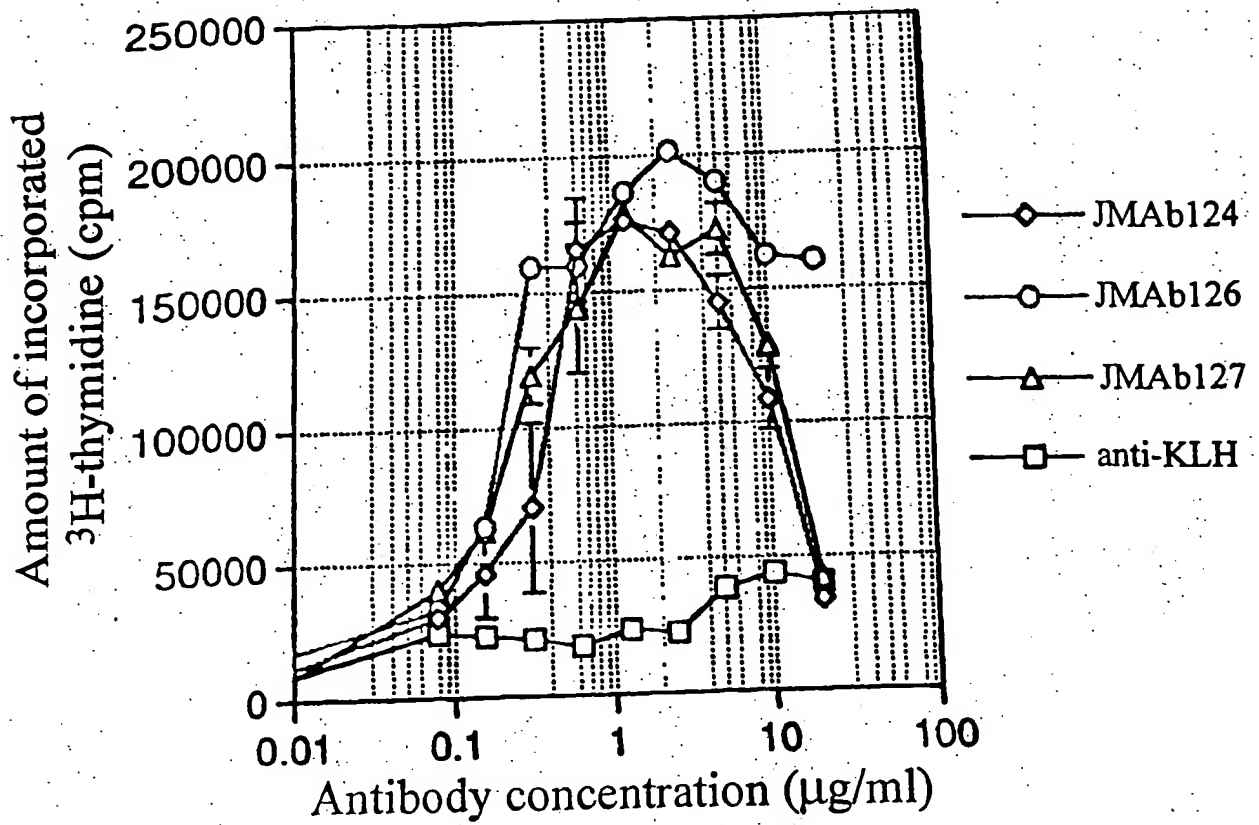
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 18

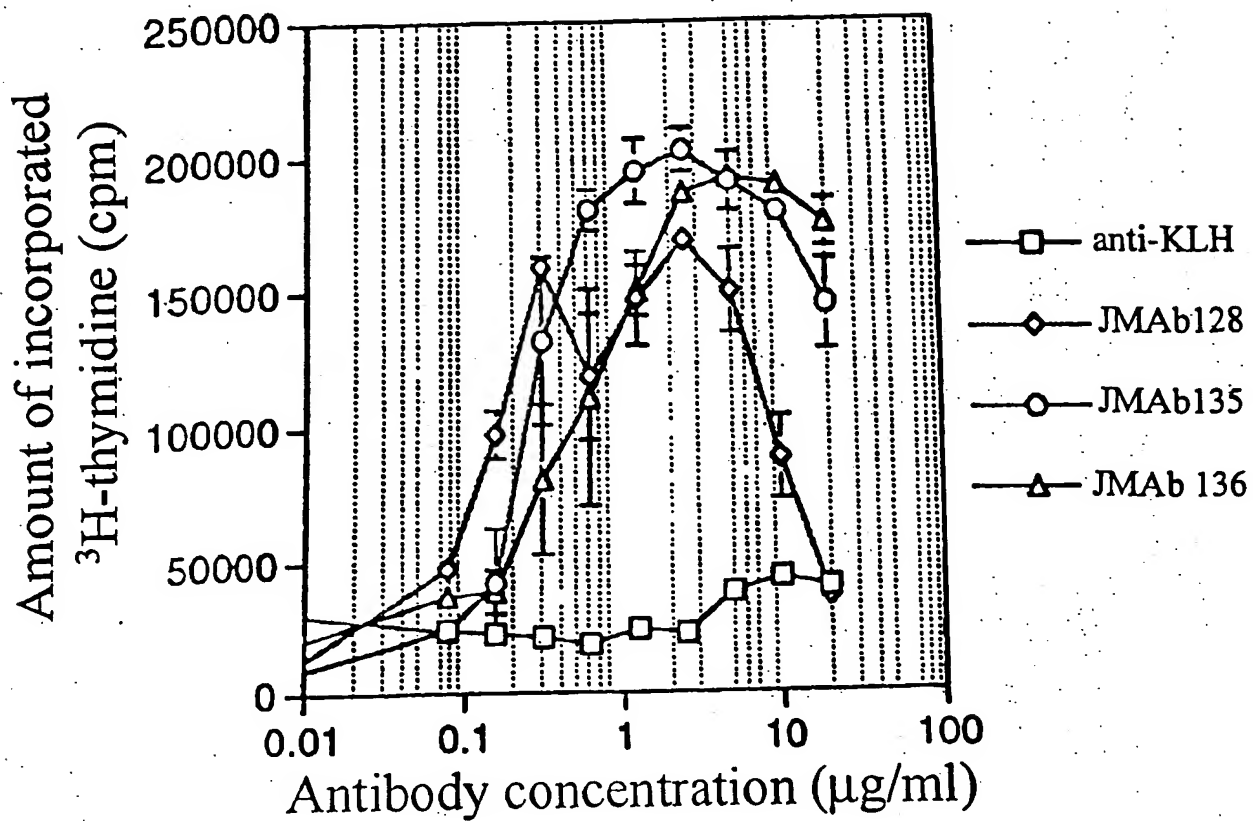


FIG. 19

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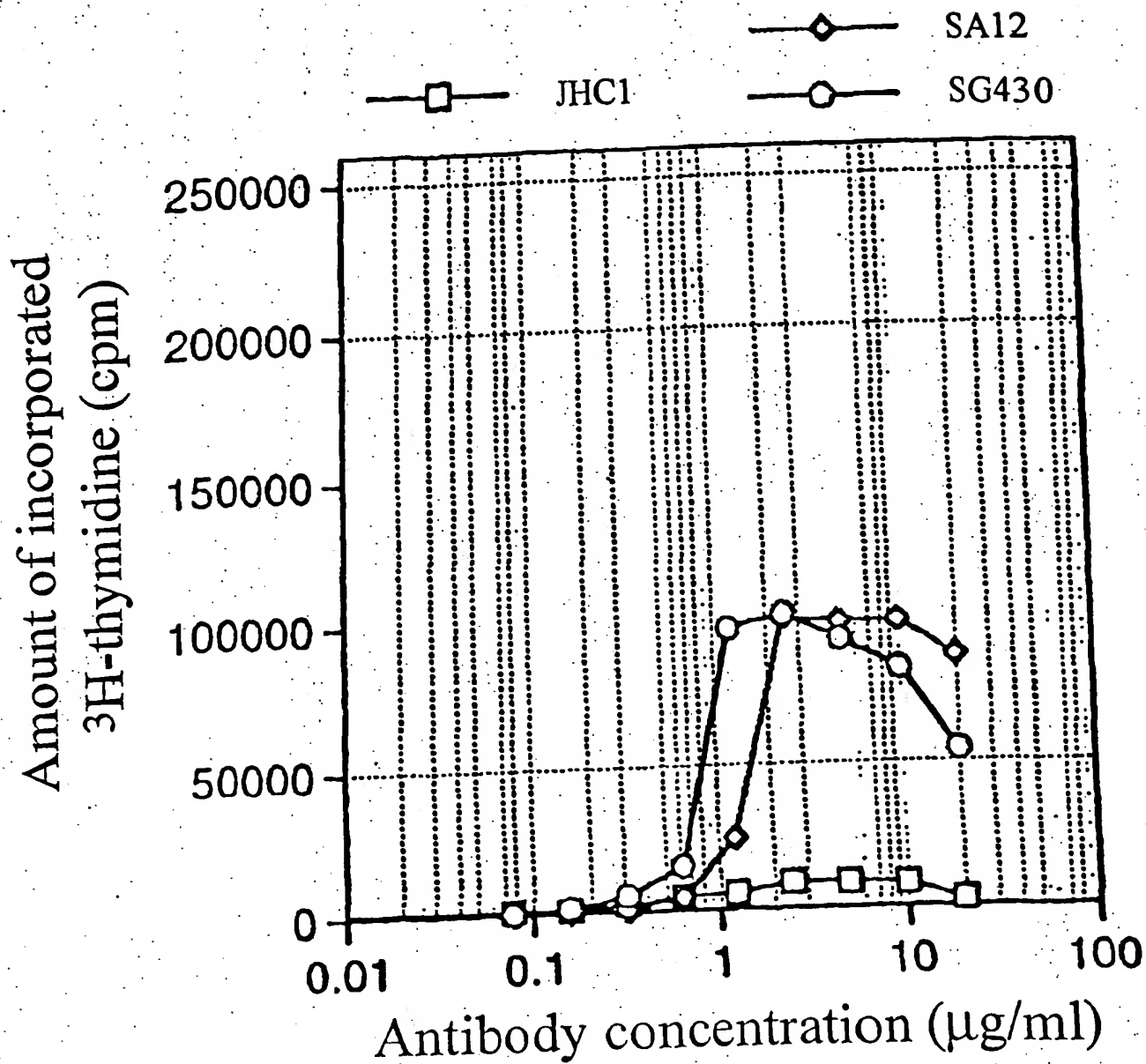
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 20

Applicant(s): Takashi Tsuji et al.

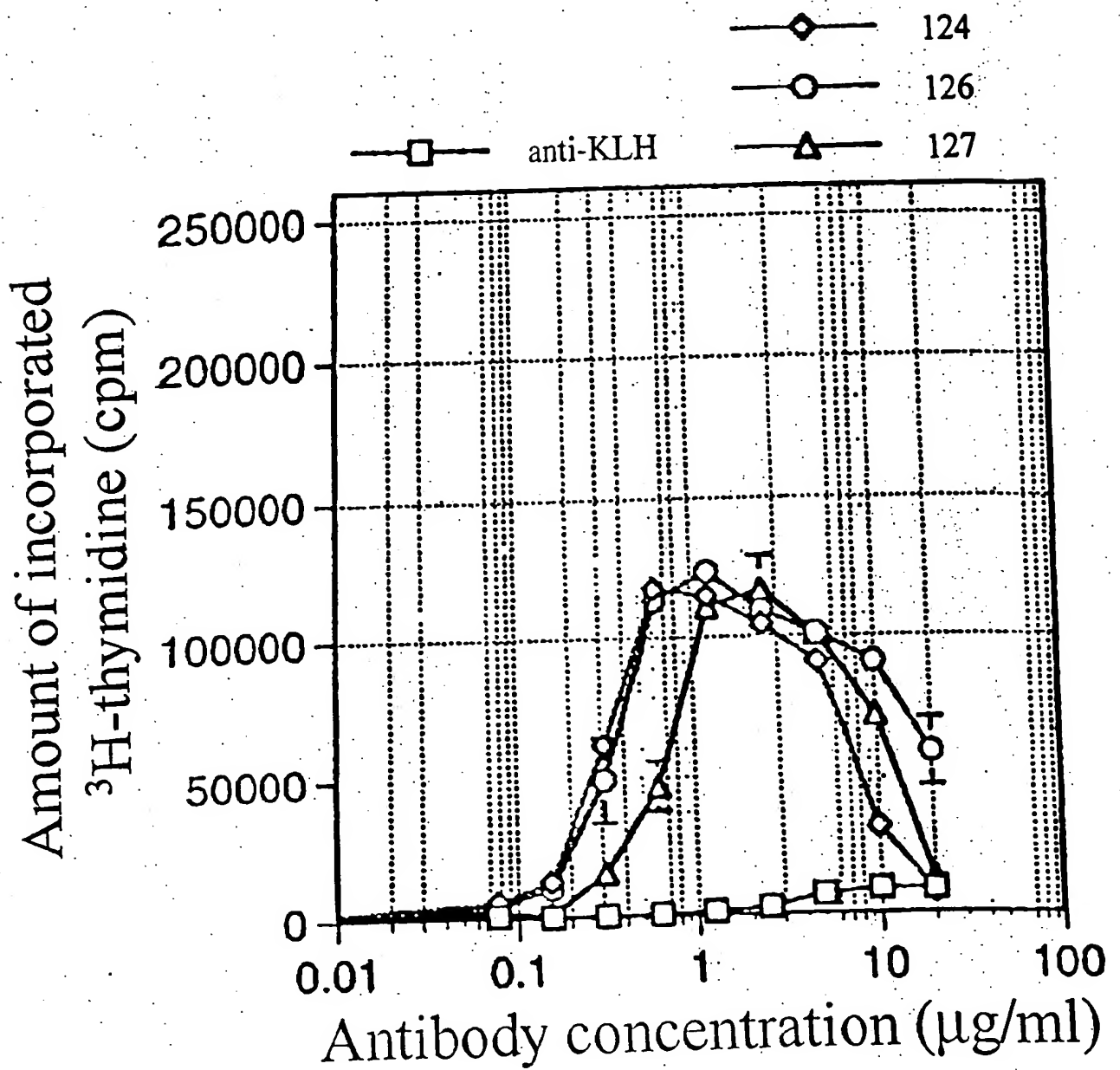
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 21

Applicant(s): Takashi Tsuji et al.

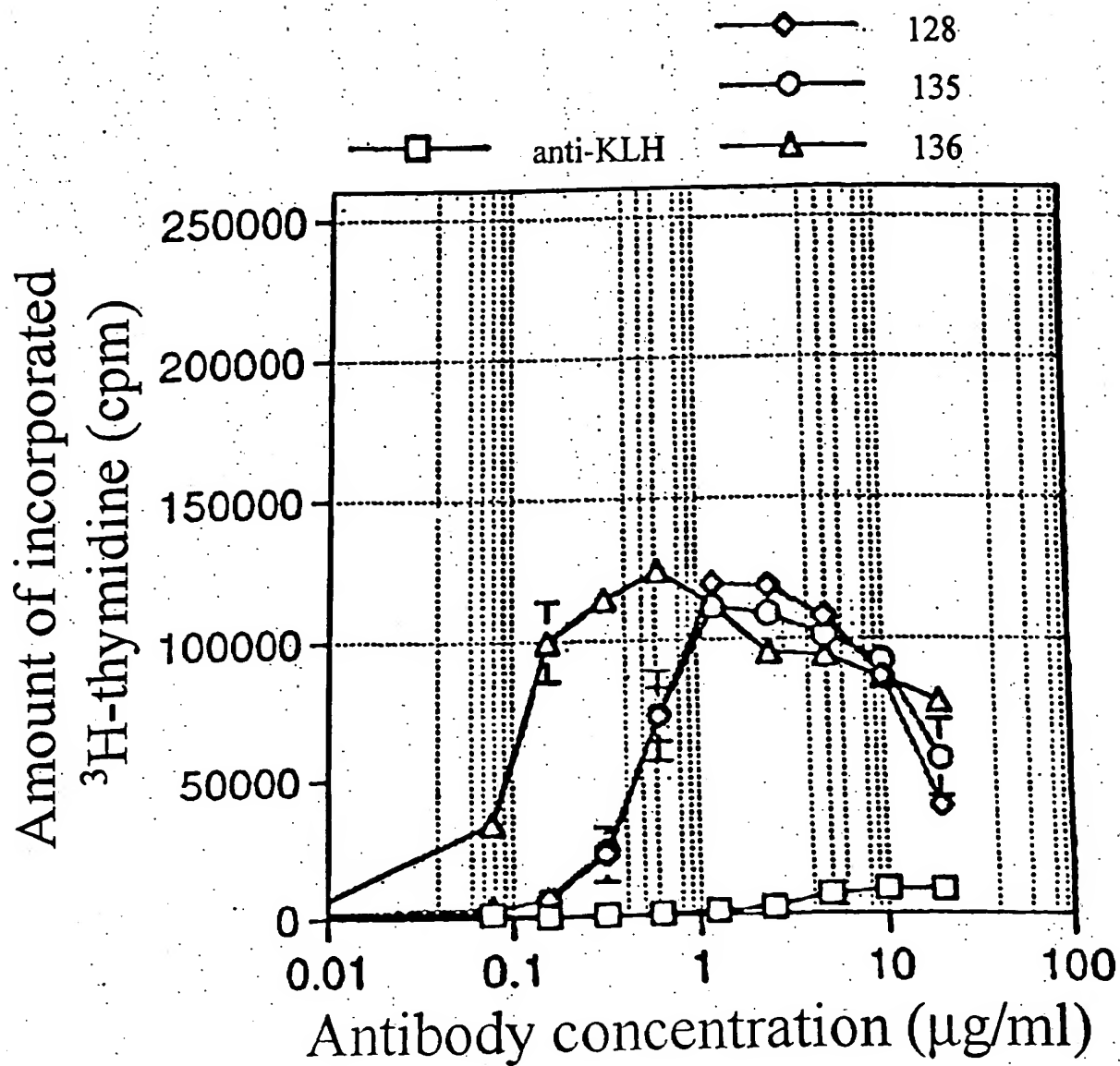
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 22

Applicant(s): Takashi Tsuji et al.

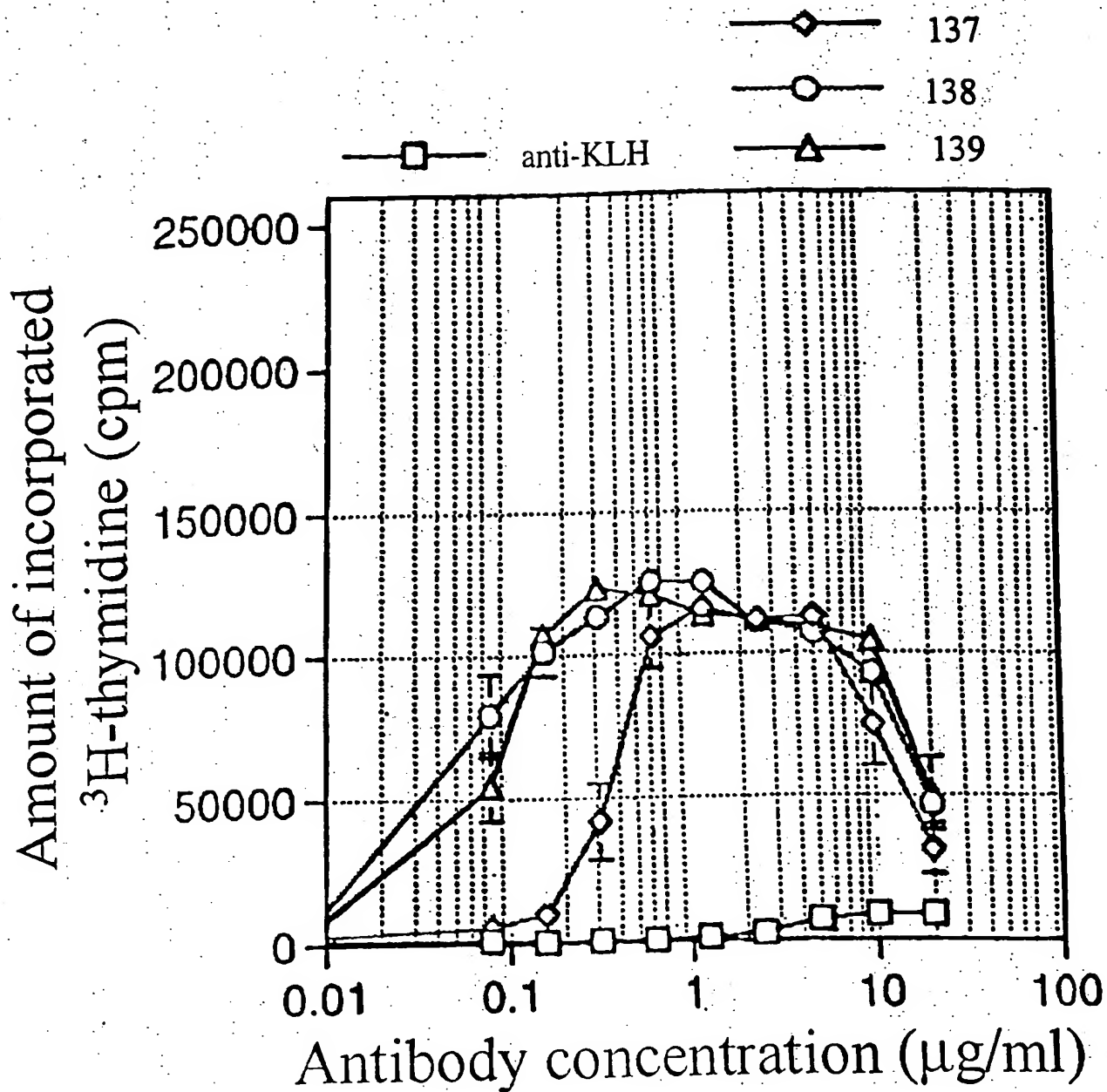
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 23

Applicant(s): Takashi Tsuji et al.

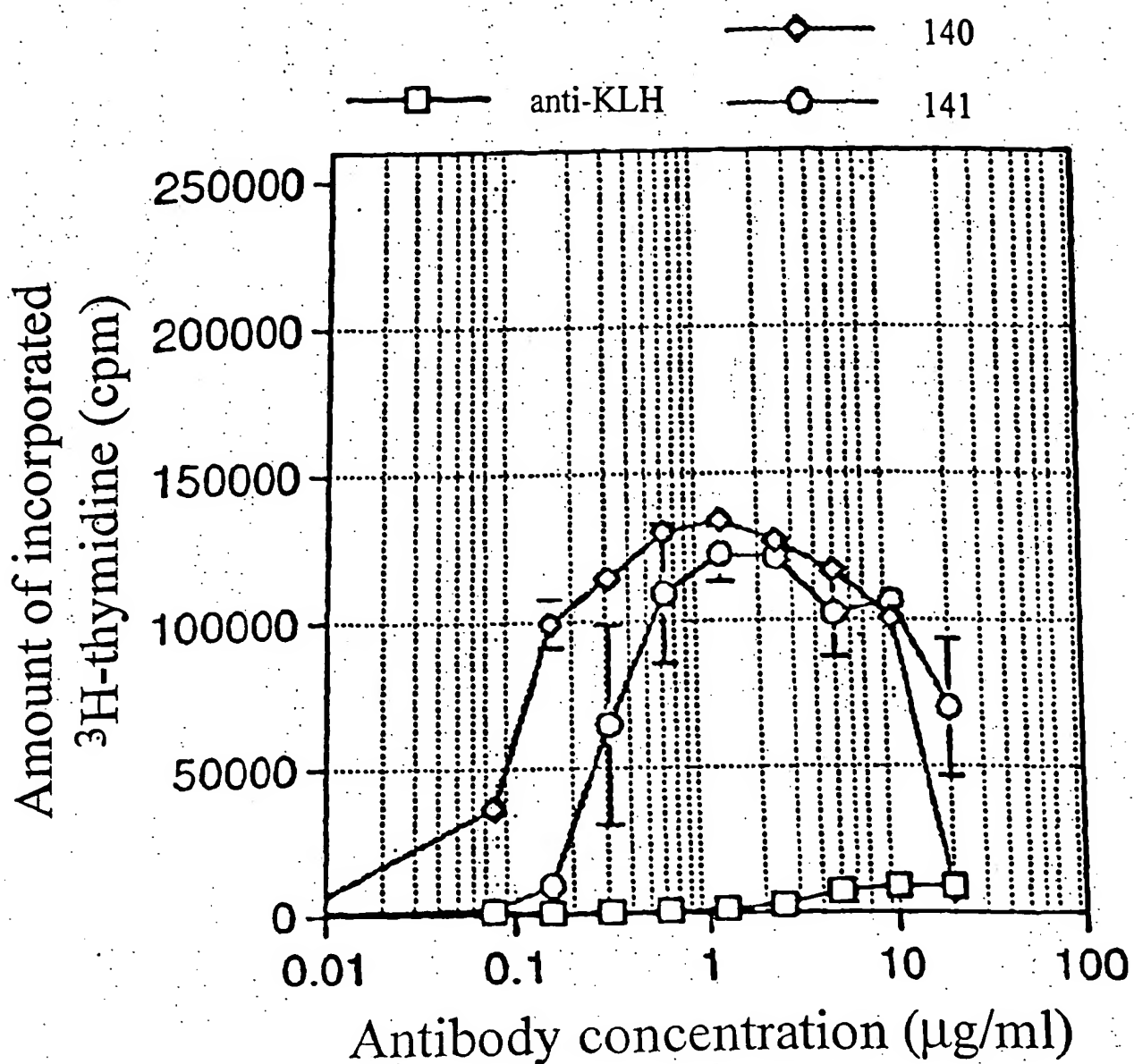
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 24



Applicant(s): Takashi Tsuji et al.

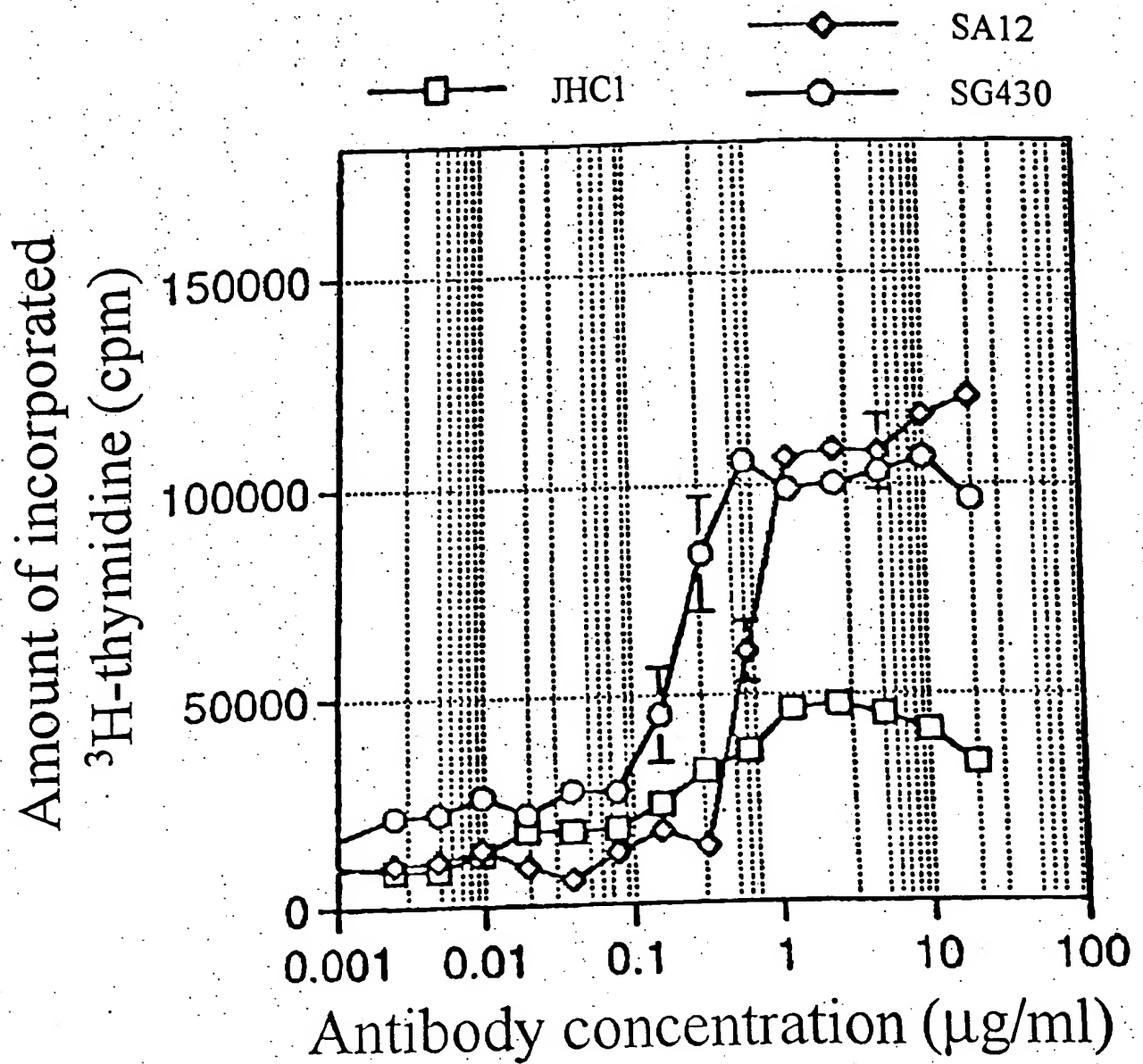
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 25

Applicant(s): Takashi Tsuji et al.

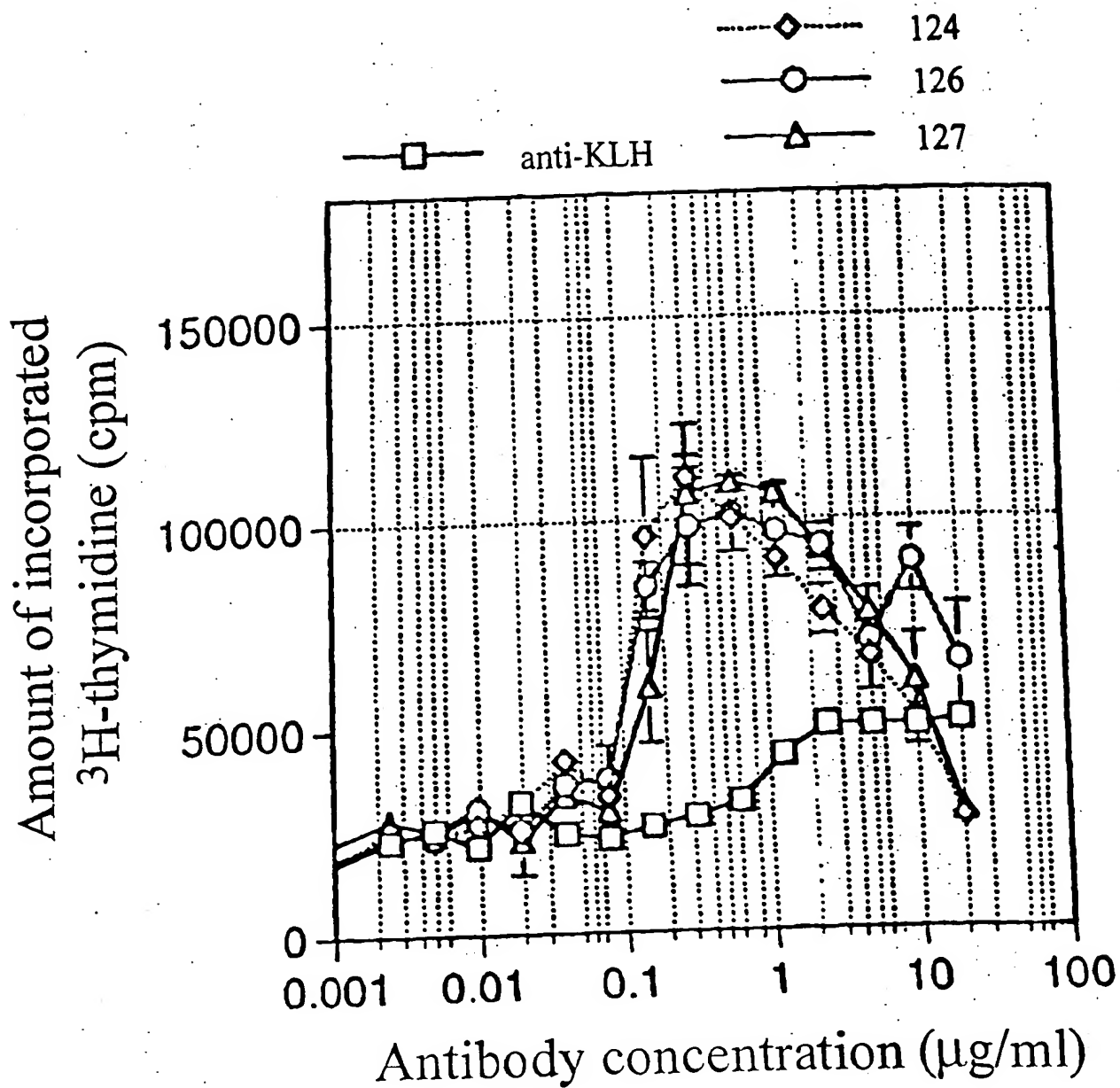
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 26

Applicant(s): Takashi Tsuji et al.

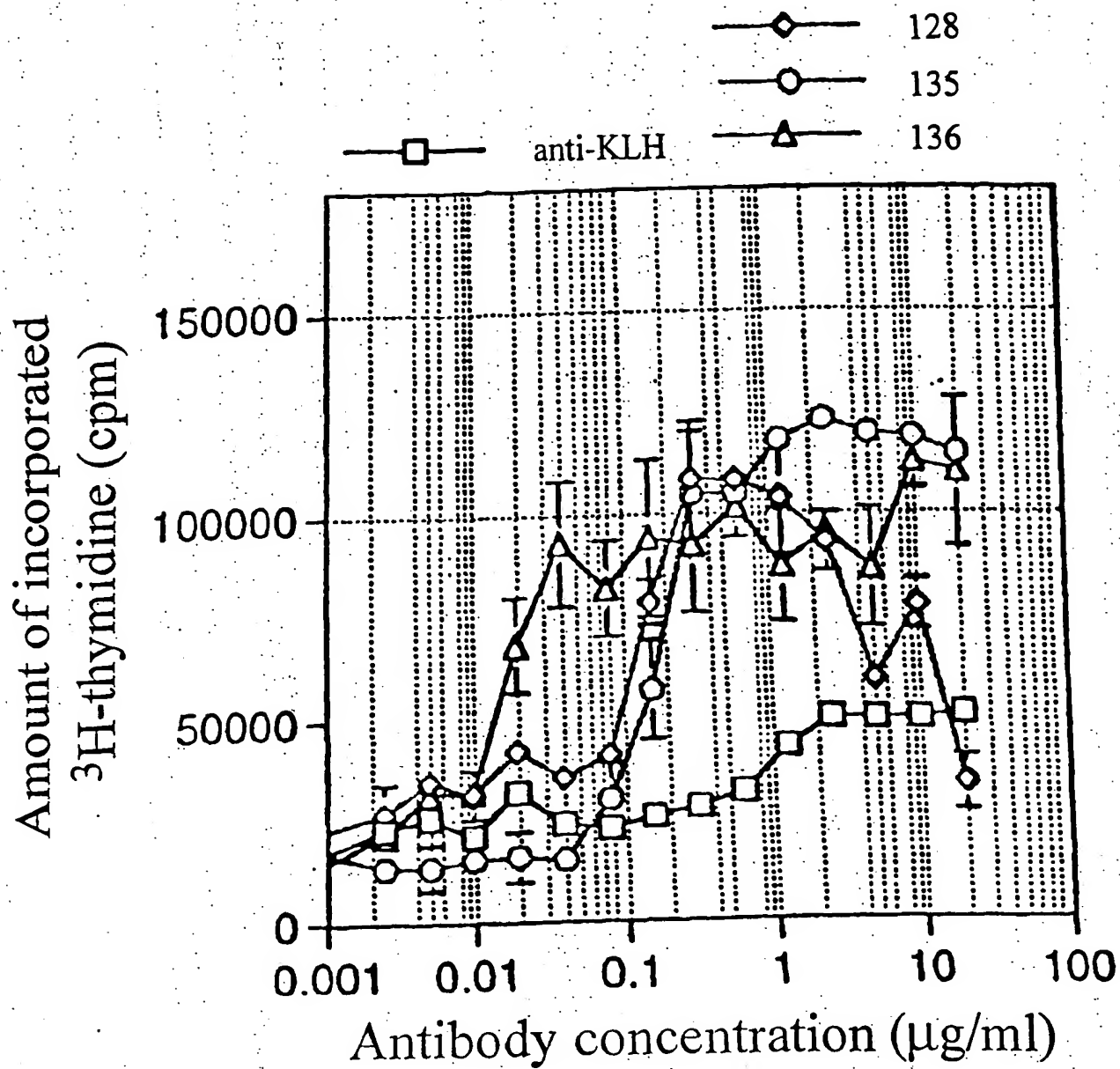
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 27

Applicant(s): Takashi Tsuji et al.

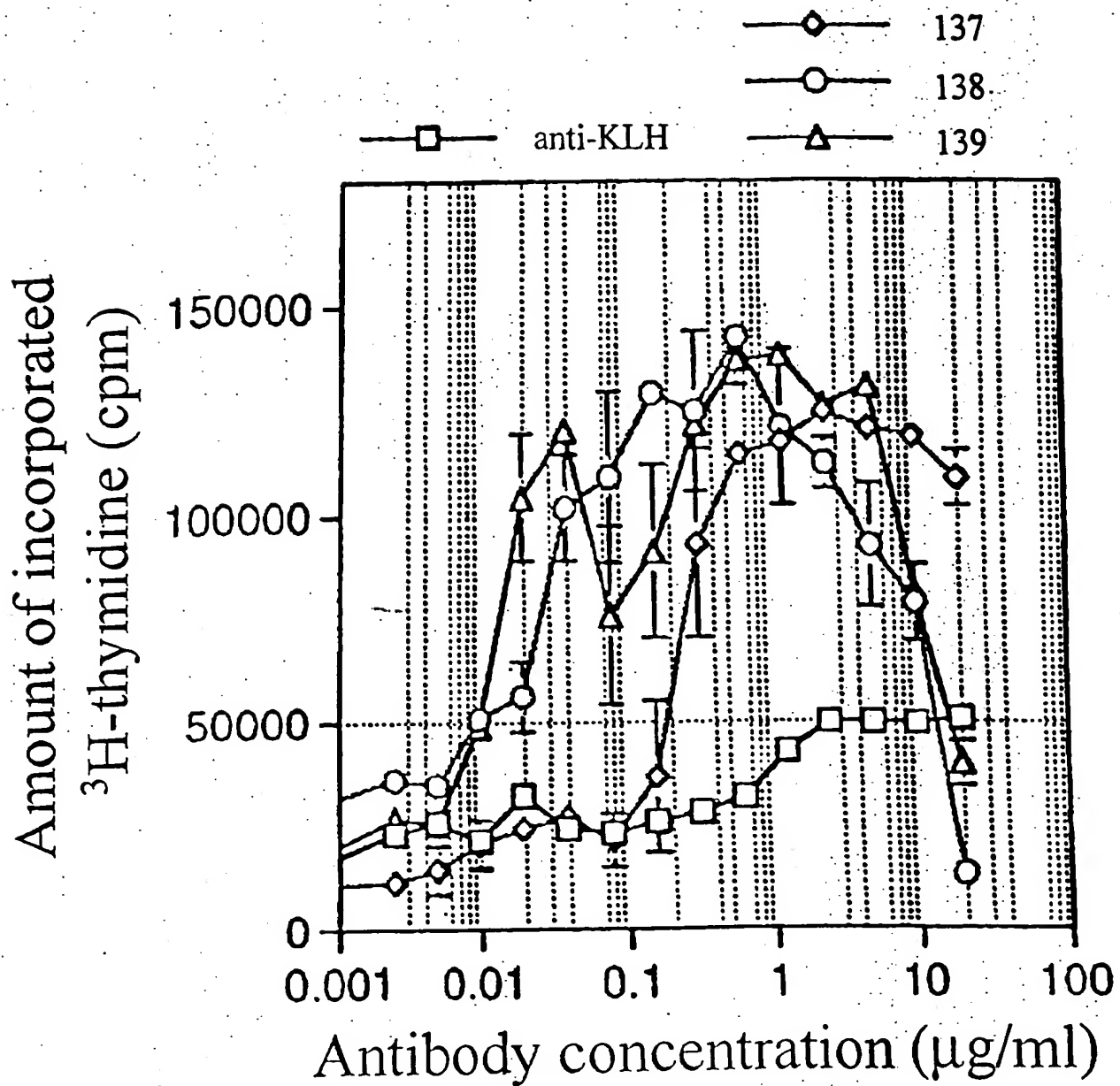
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 28

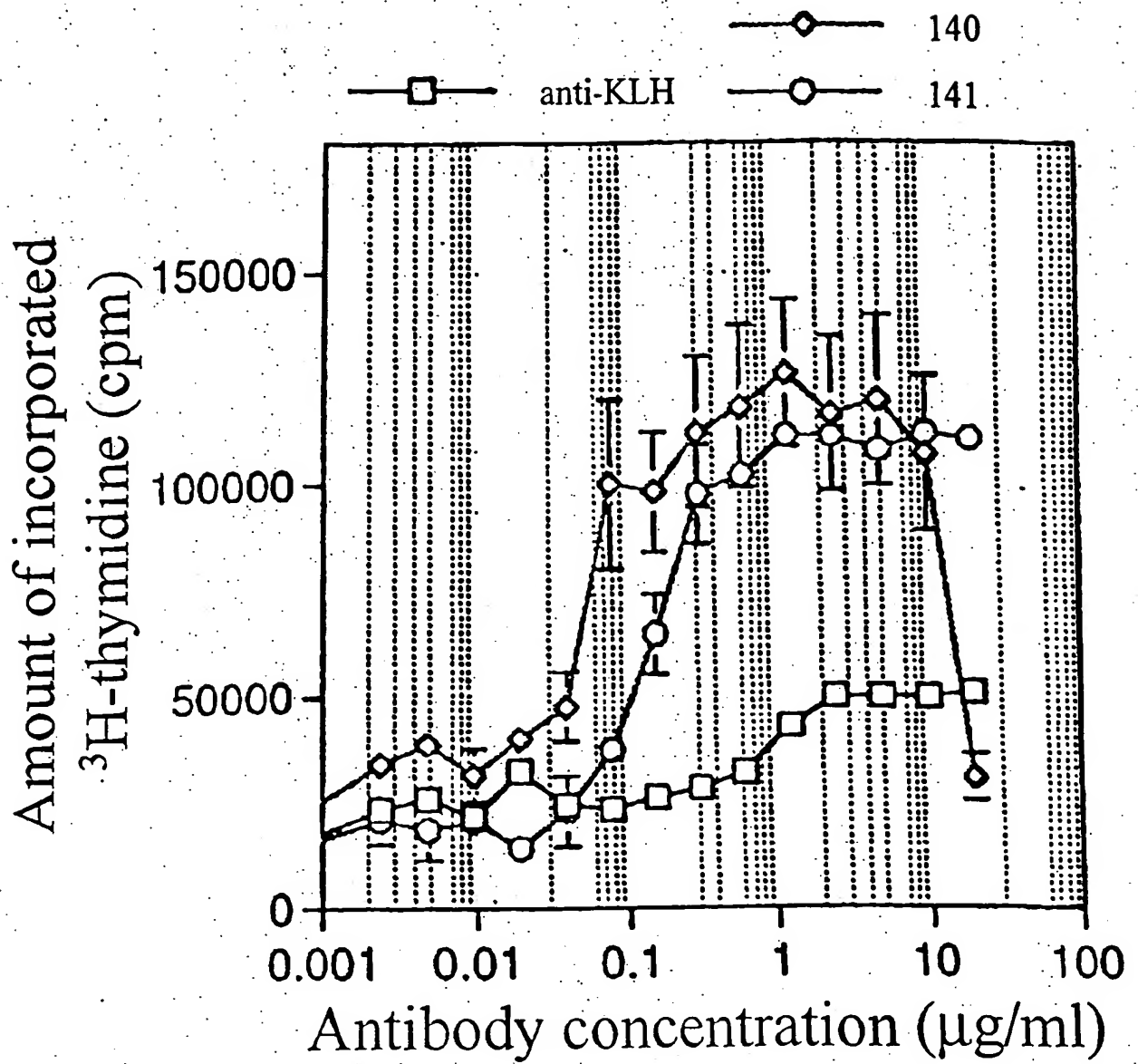


FIG. 29

Applicant(s): Takashi Tsuji et al.

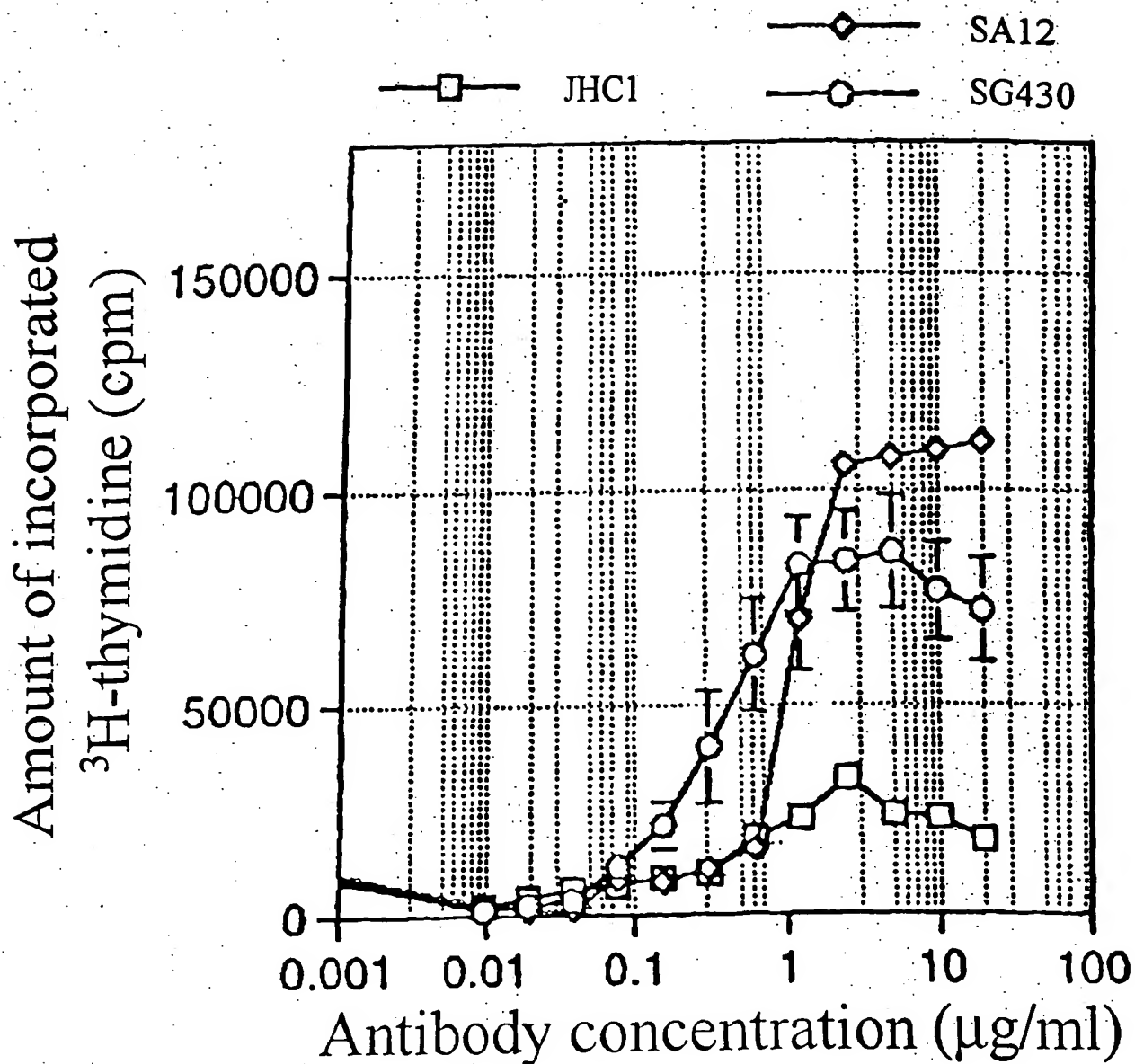
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 30

Applicant(s): Takashi Tsuji et al.

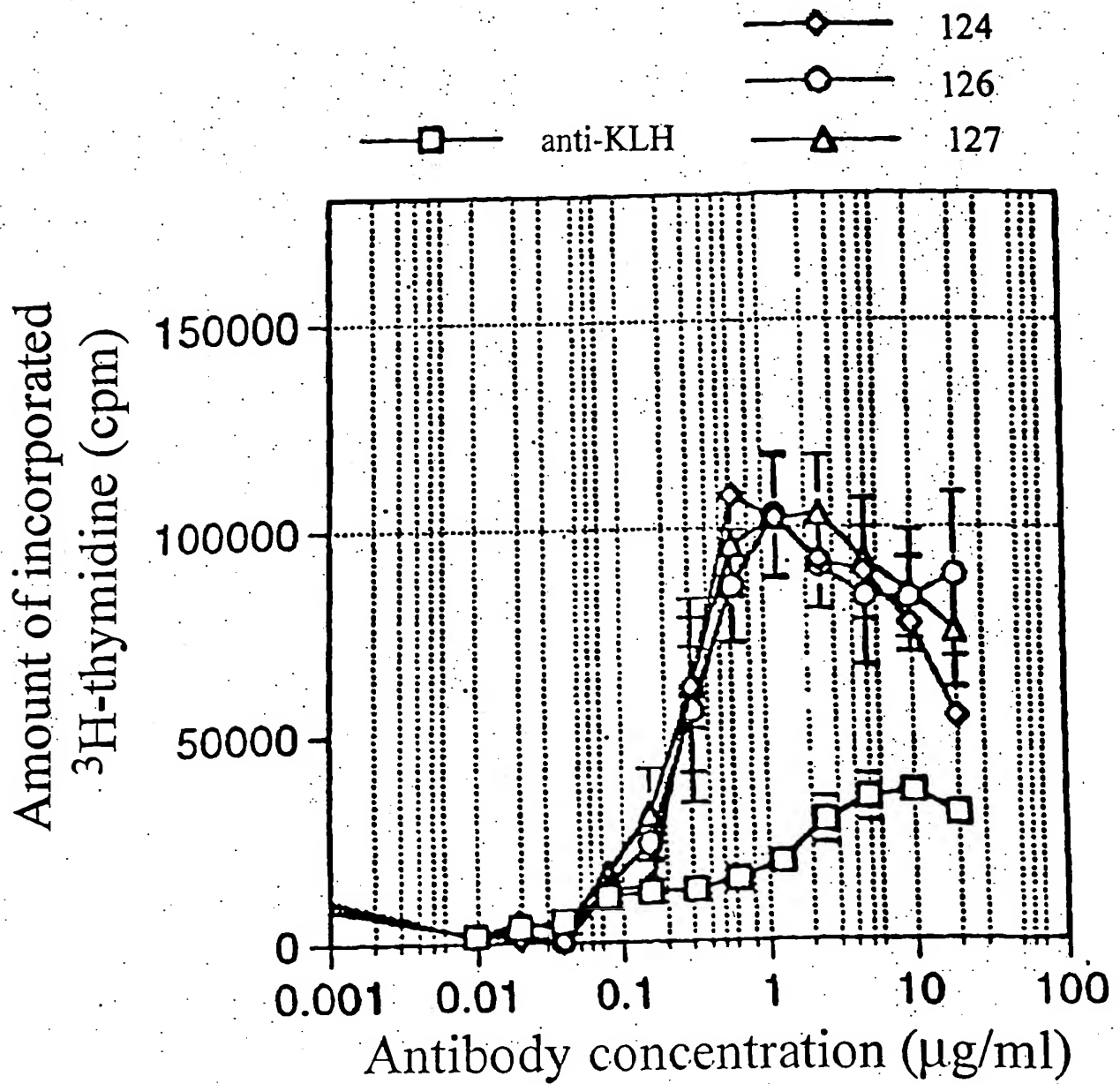
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 31

Applicant(s): Takashi Tsuji et al.

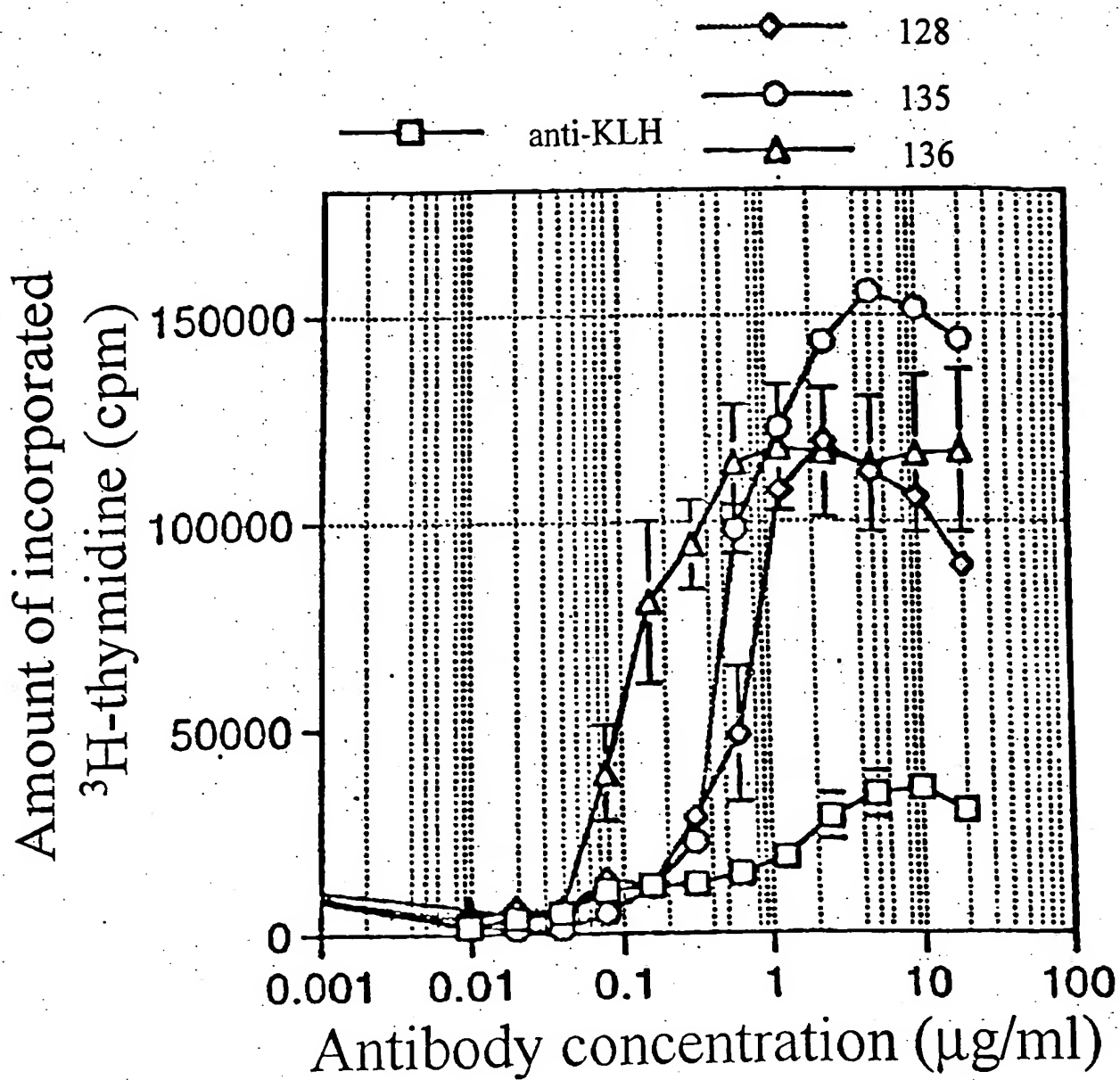
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 32



Applicant(s): Takashi Tsuji et al.

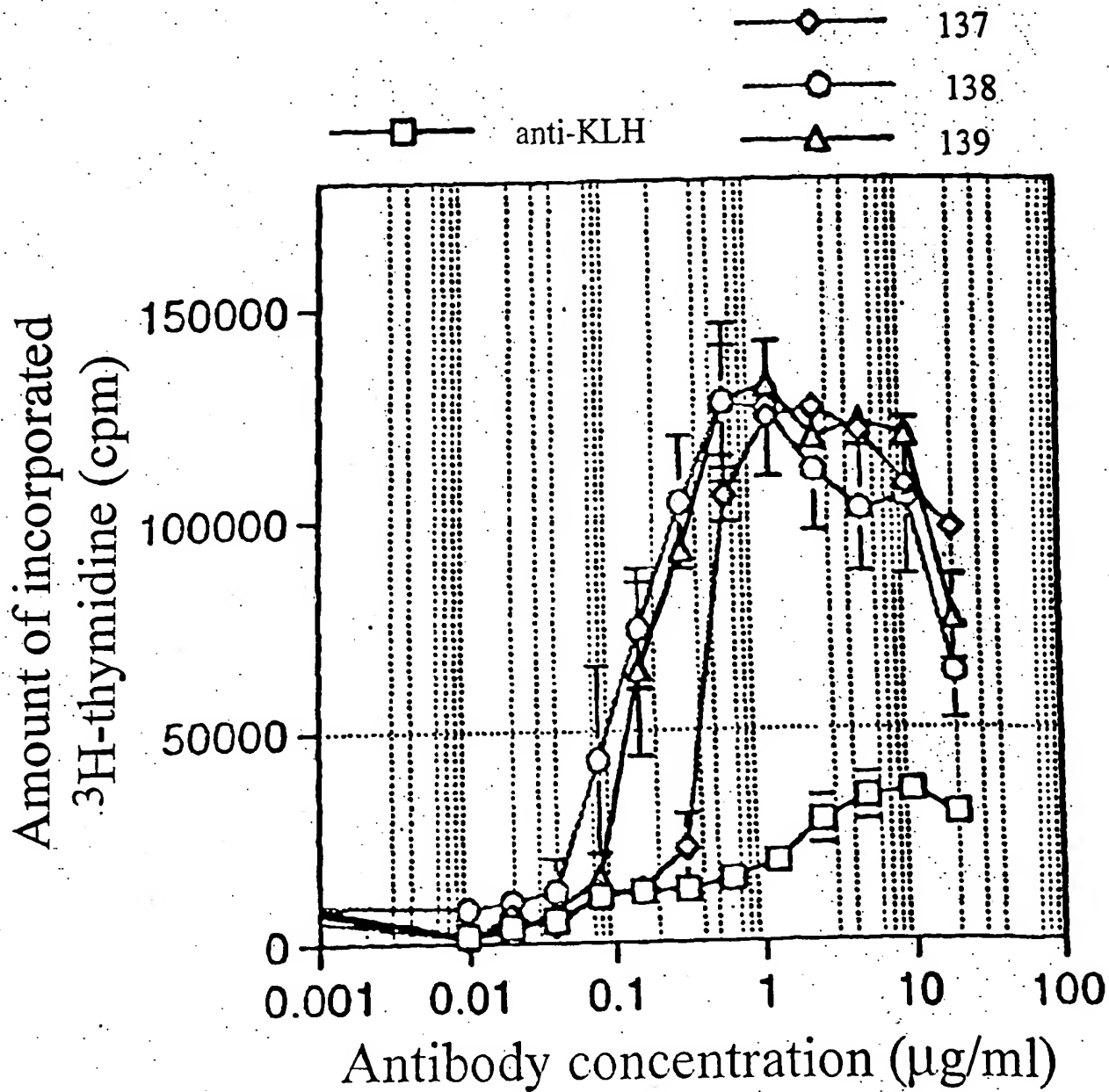
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 33

Applicant(s): Takashi Tsuji et al.

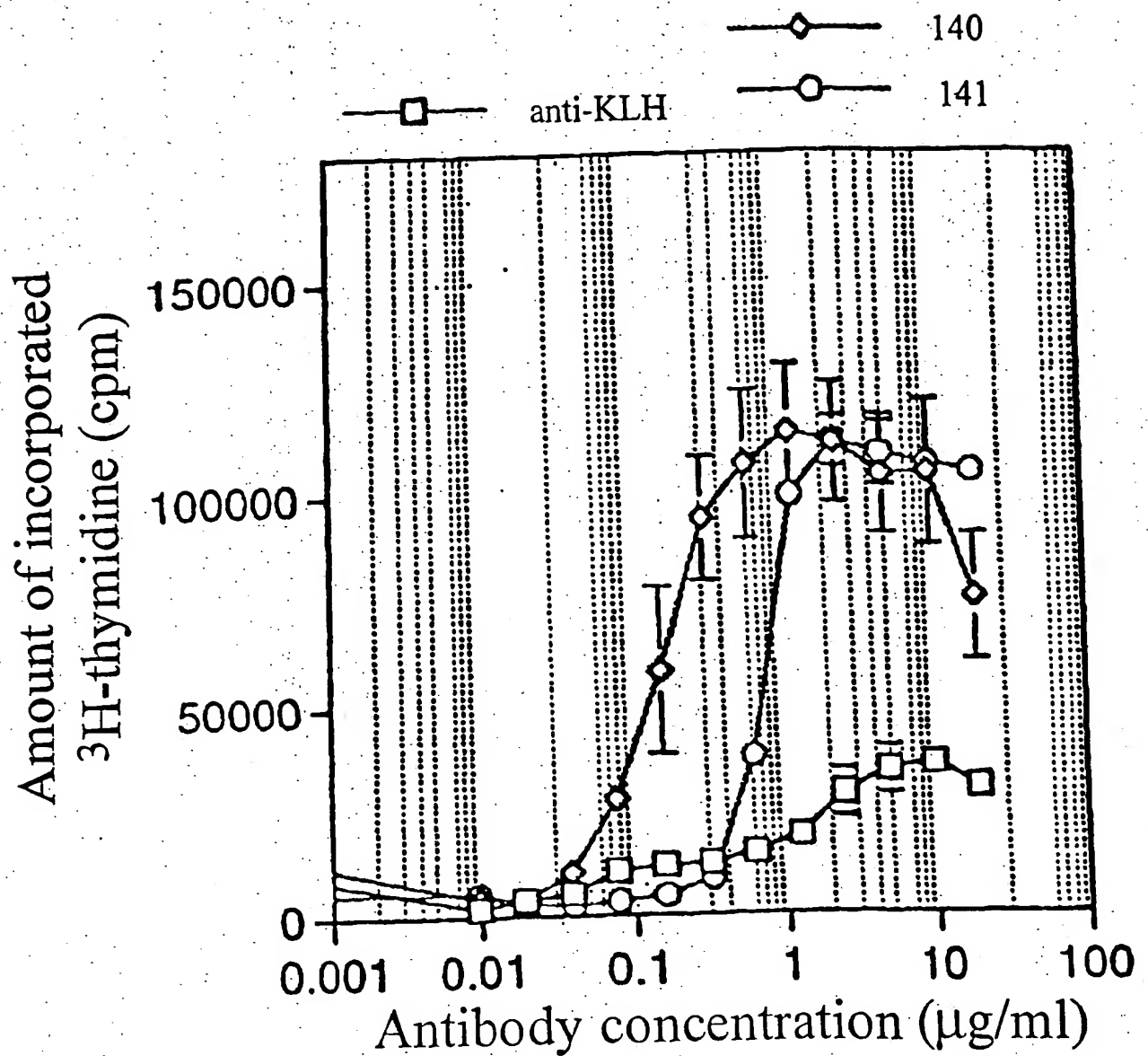
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 34

Applicant(s): Takashi Tsuji et al.

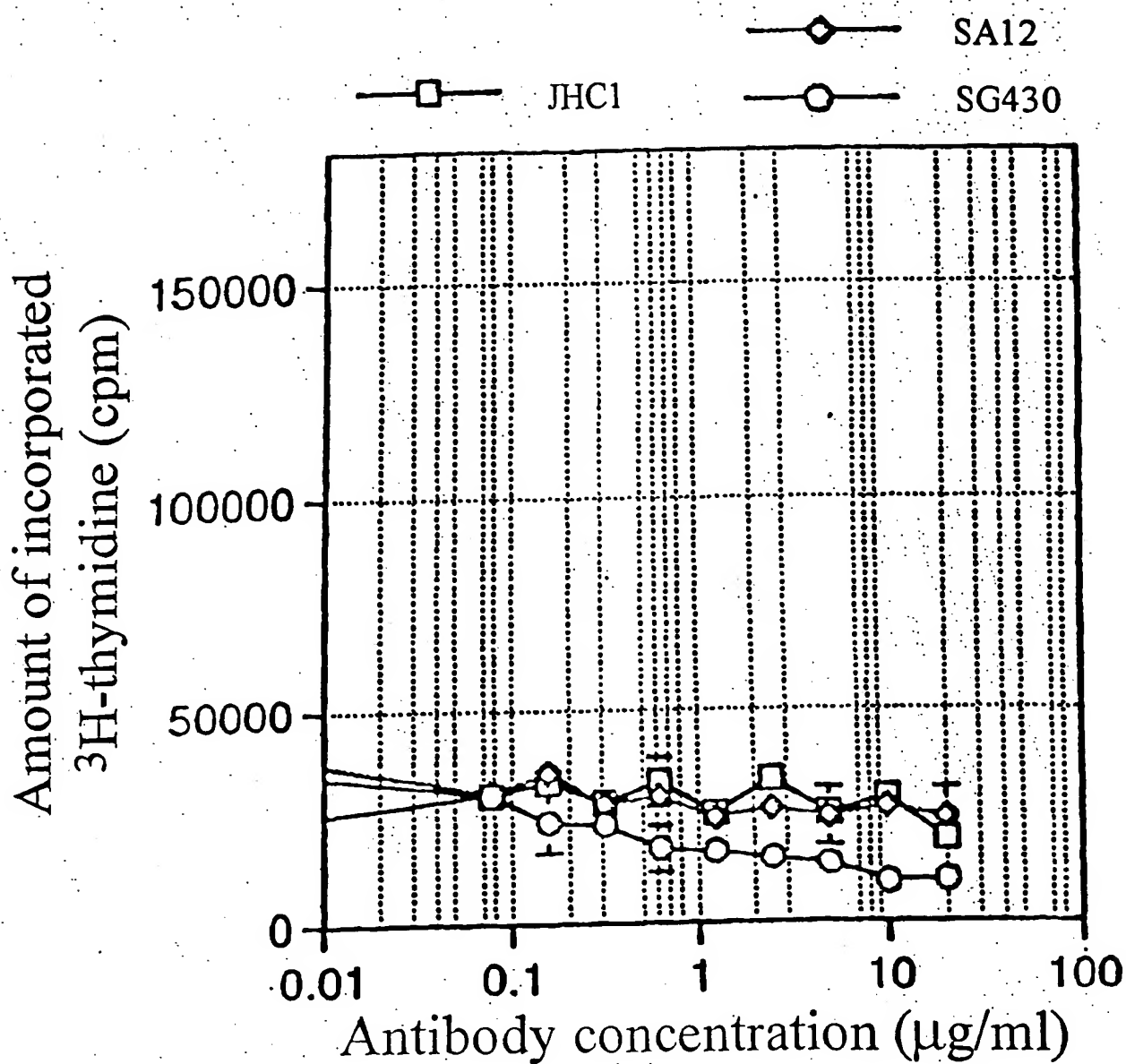
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 35

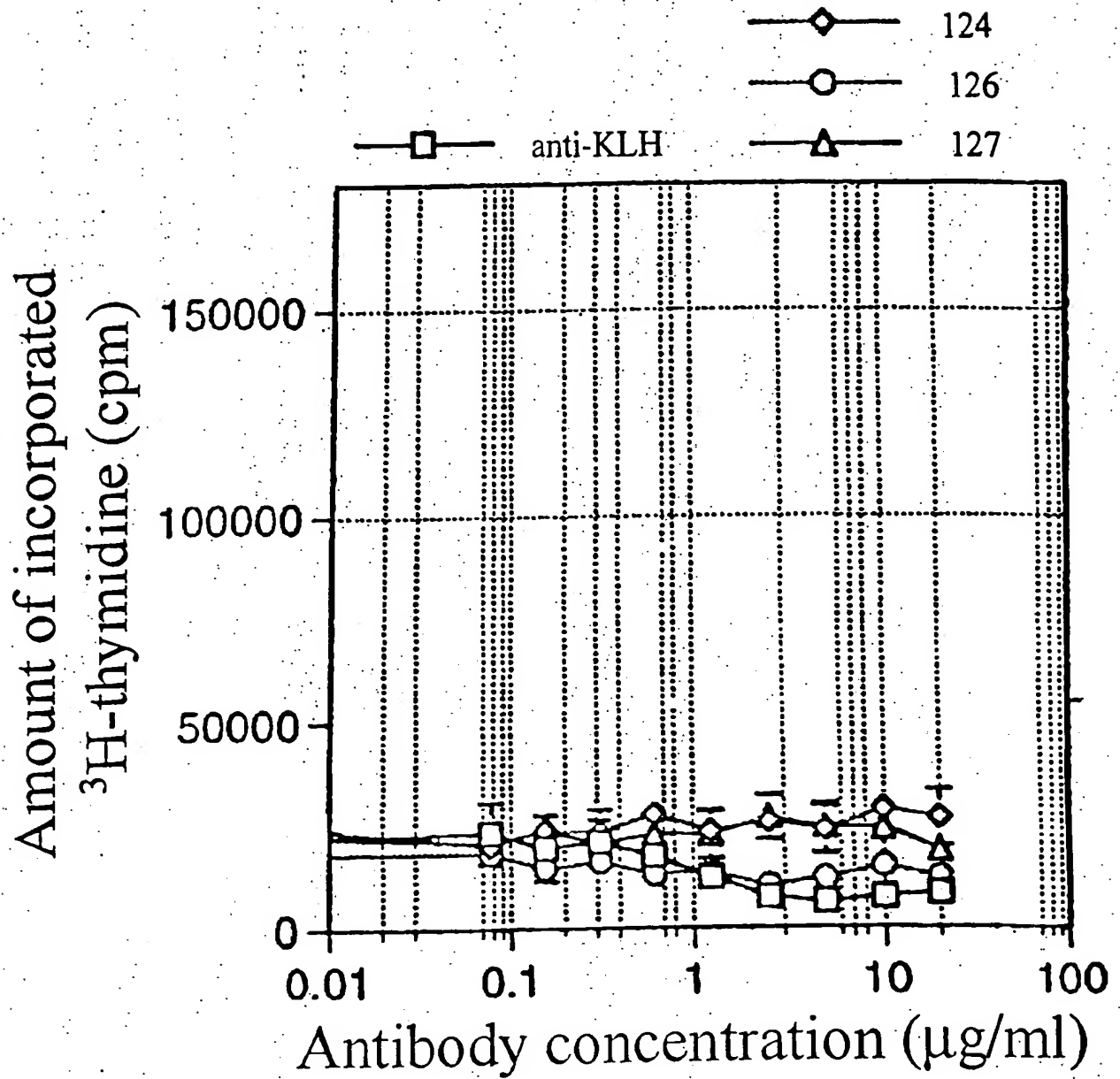


FIG. 36

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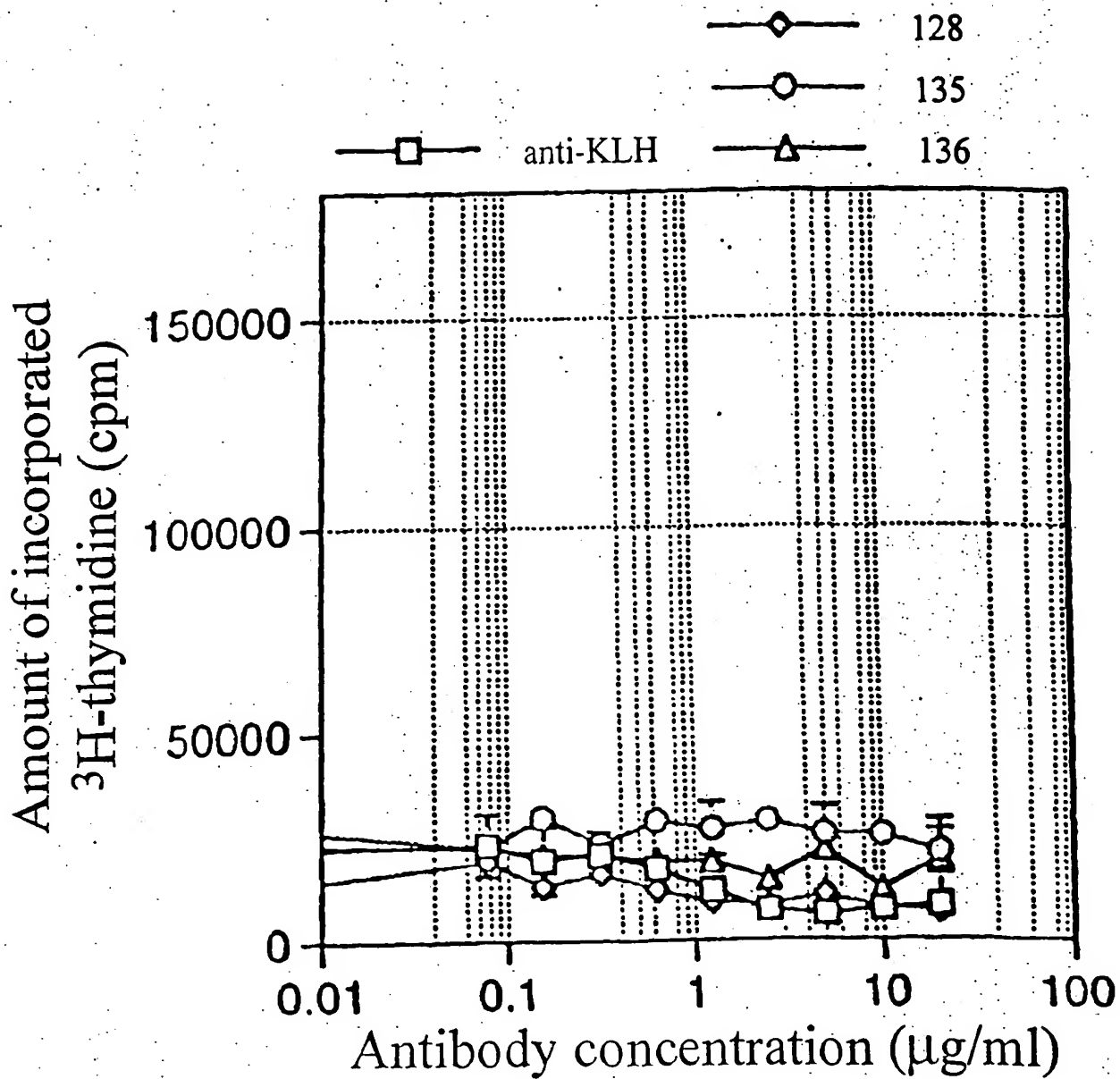
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 37

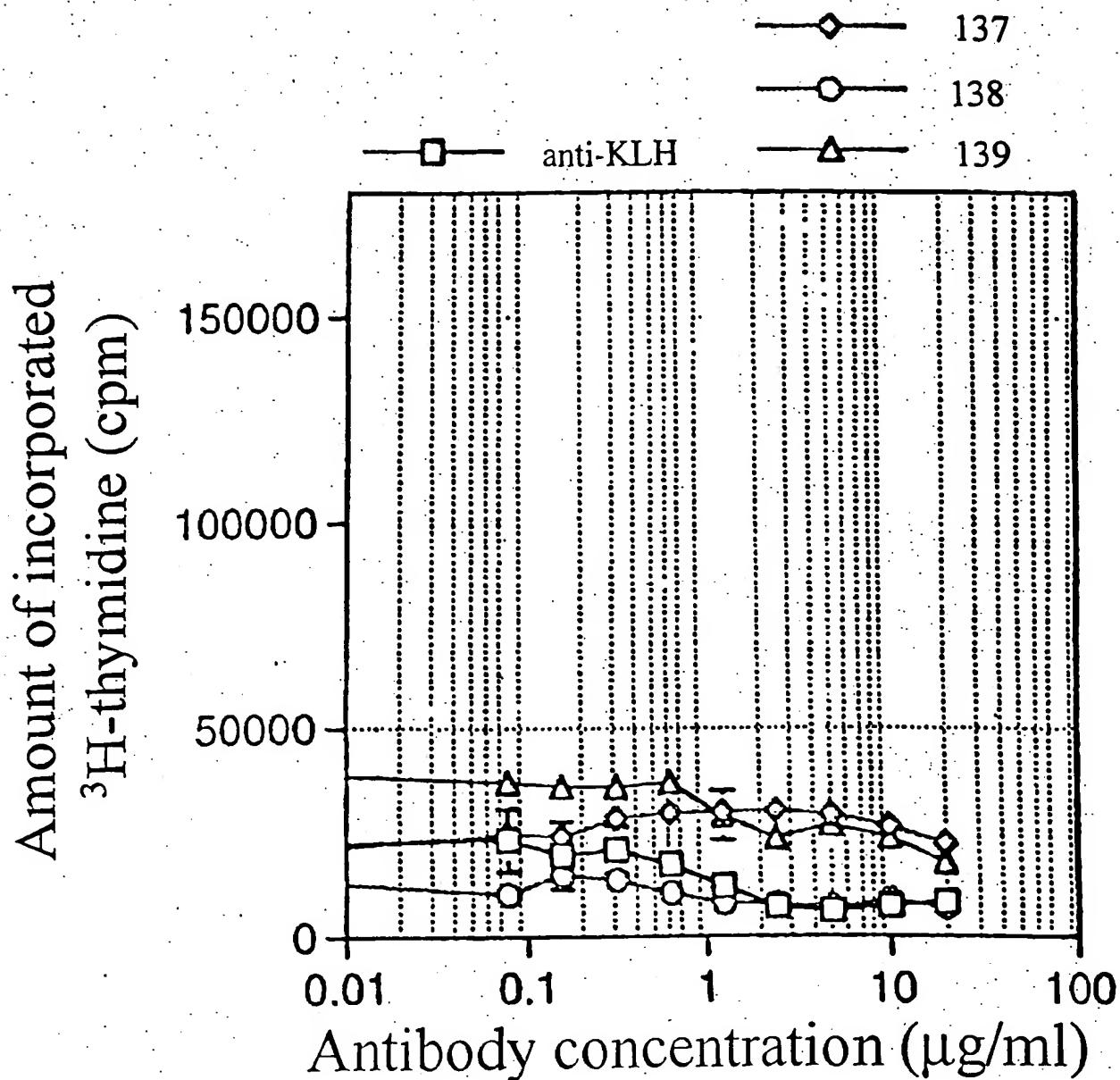


FIG. 38

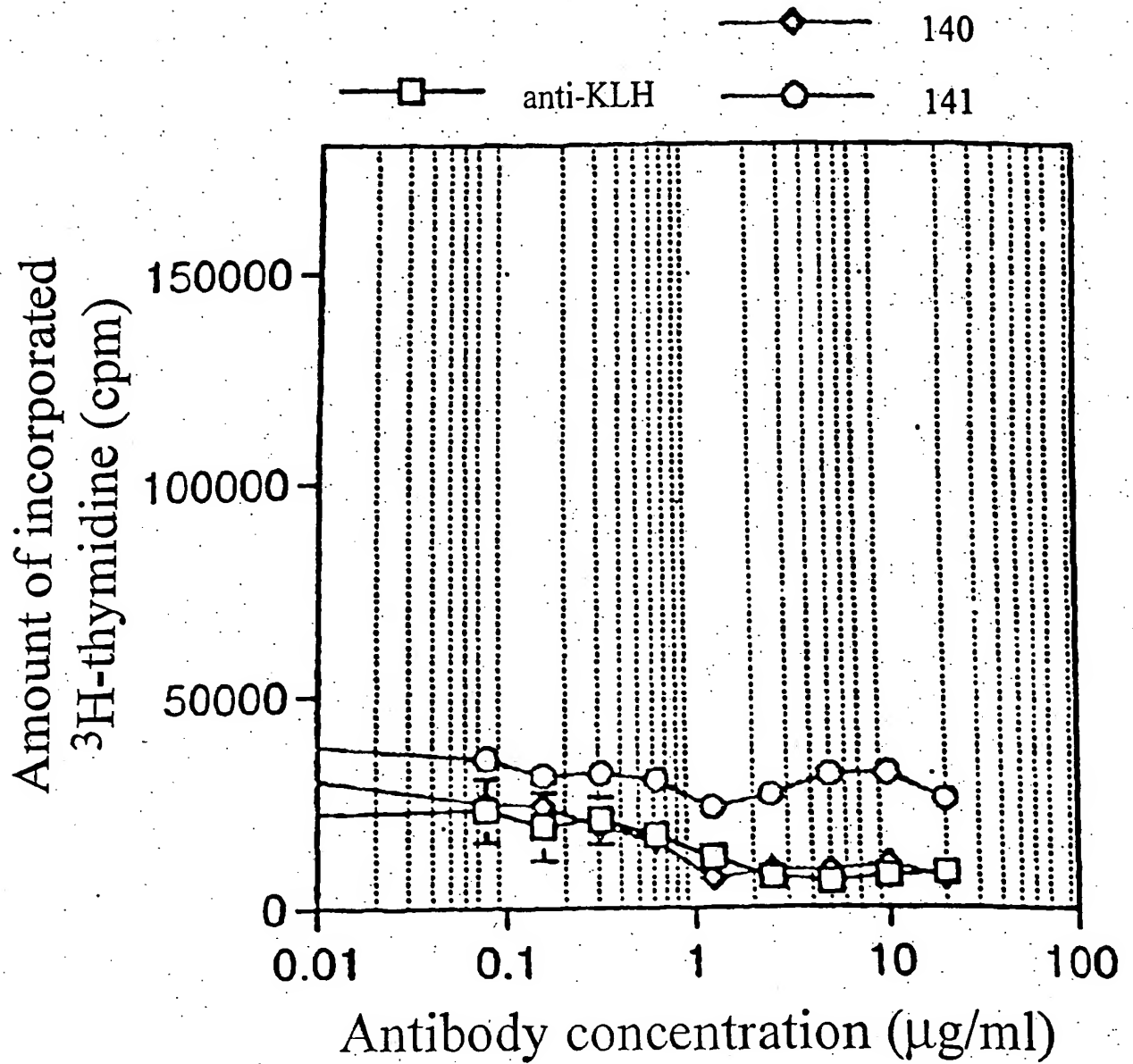


FIG. 39

Applicant(s): Takashi Tsuji et al.

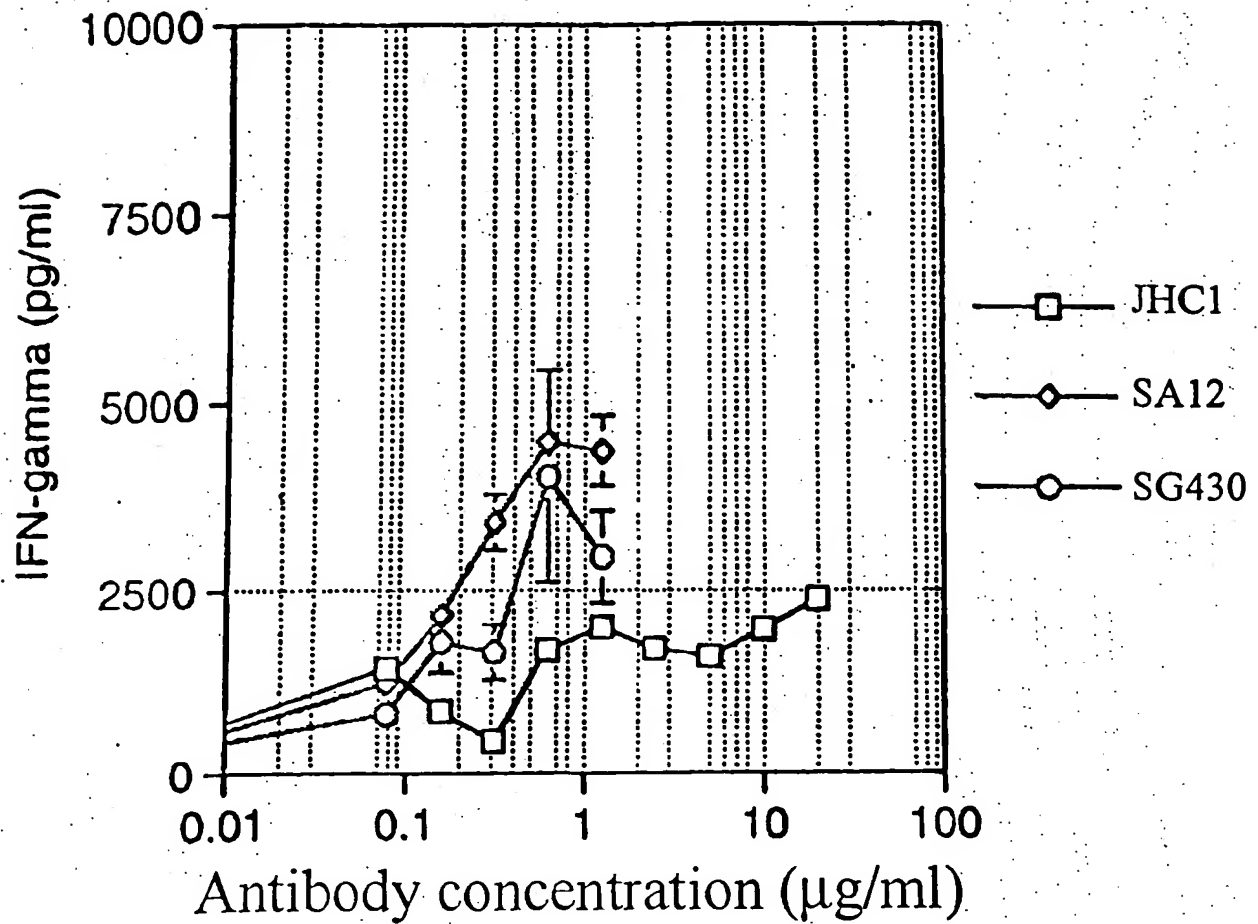
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 40



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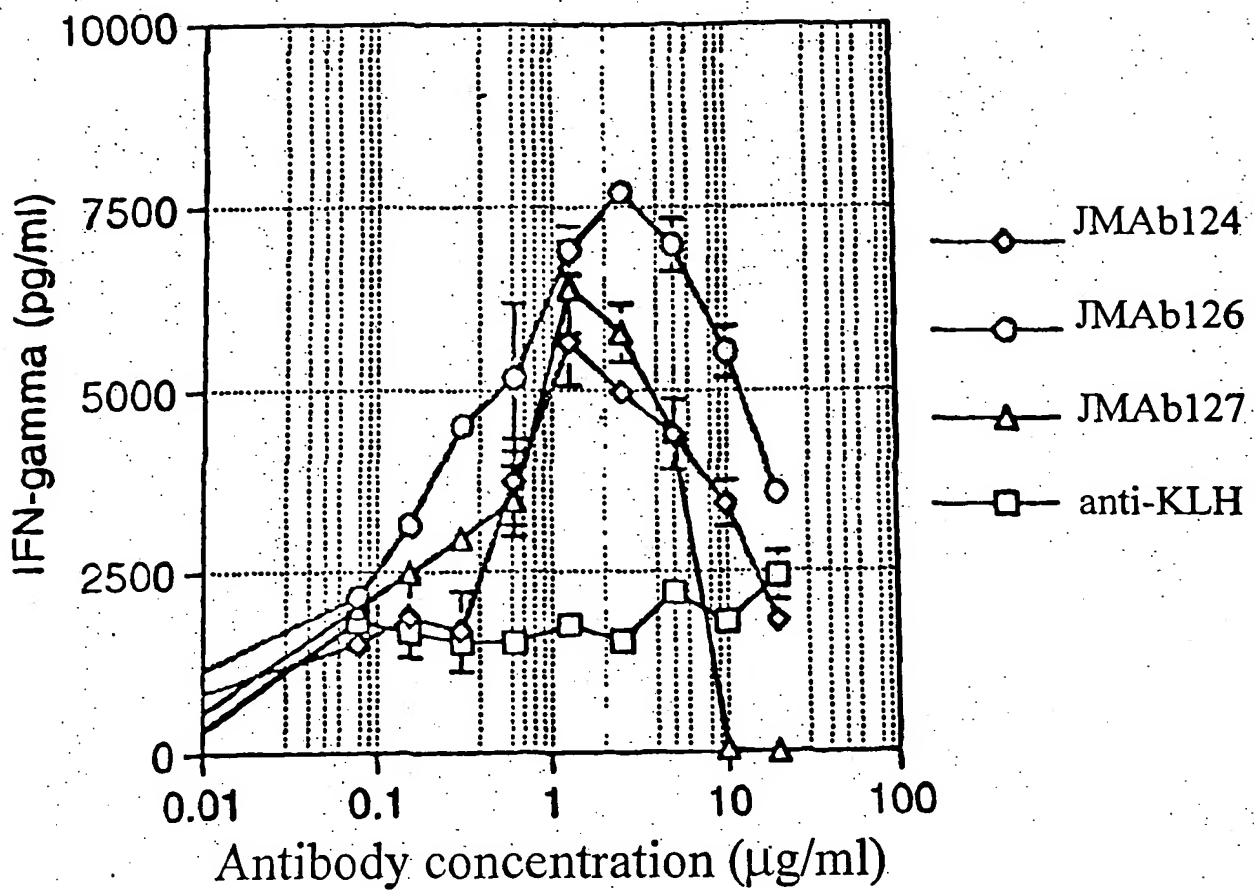
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 41

Applicant(s): Takashi Tsuji et al.

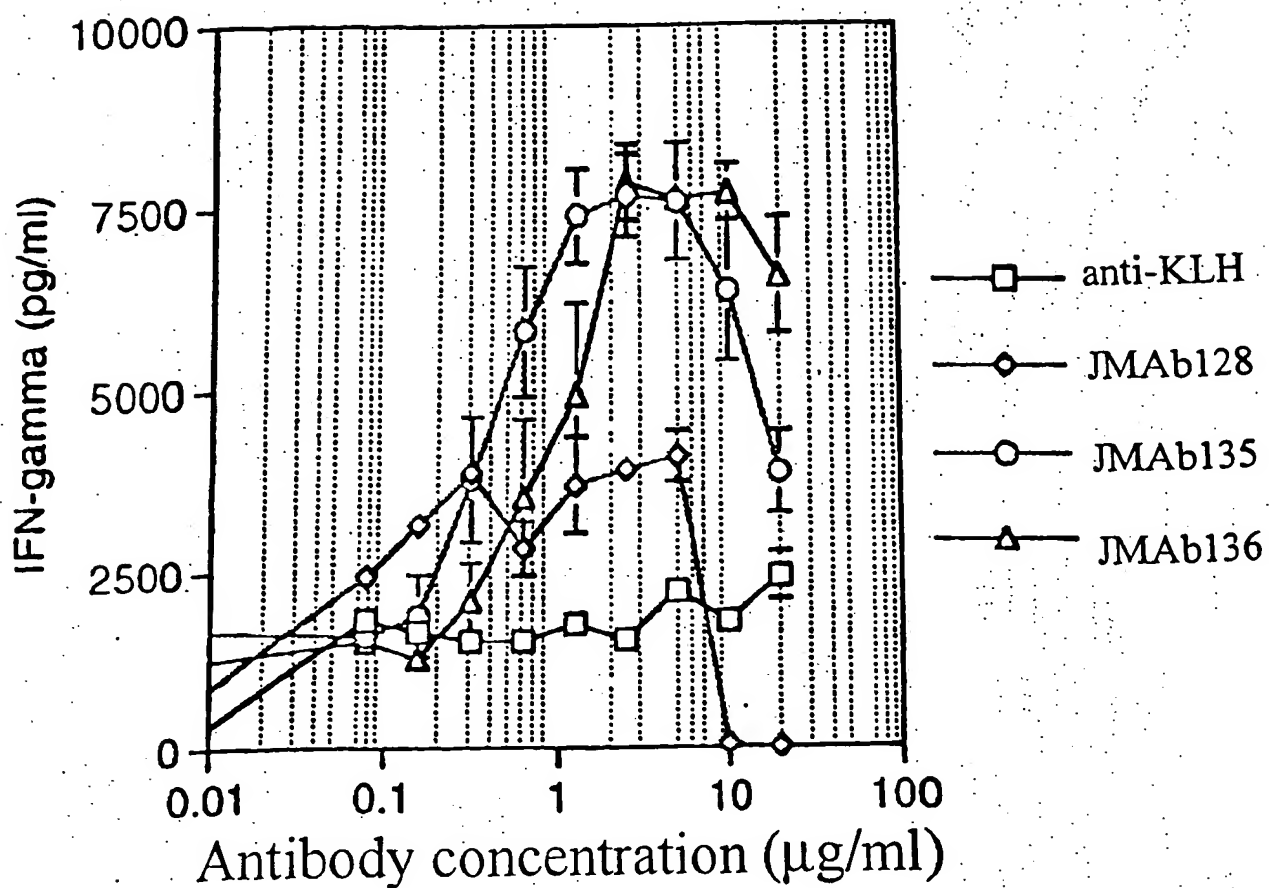
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
A11M AND PHARMACEUTICAL USE THEREOF

FIG. 42

Applicant(s): Takashi Tsuji et al.

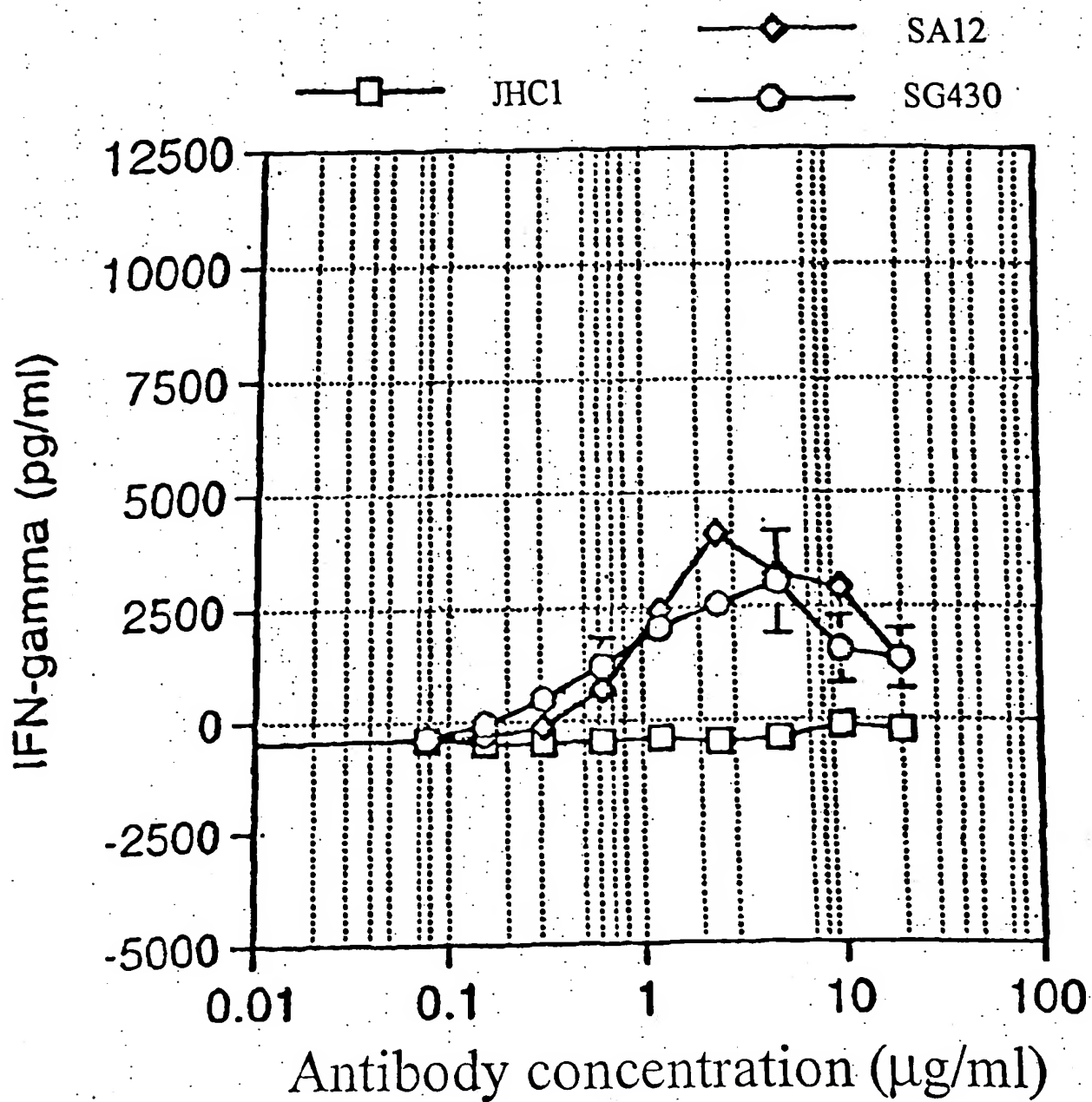
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 43

Applicant(s): Takashi Tsuji et al.

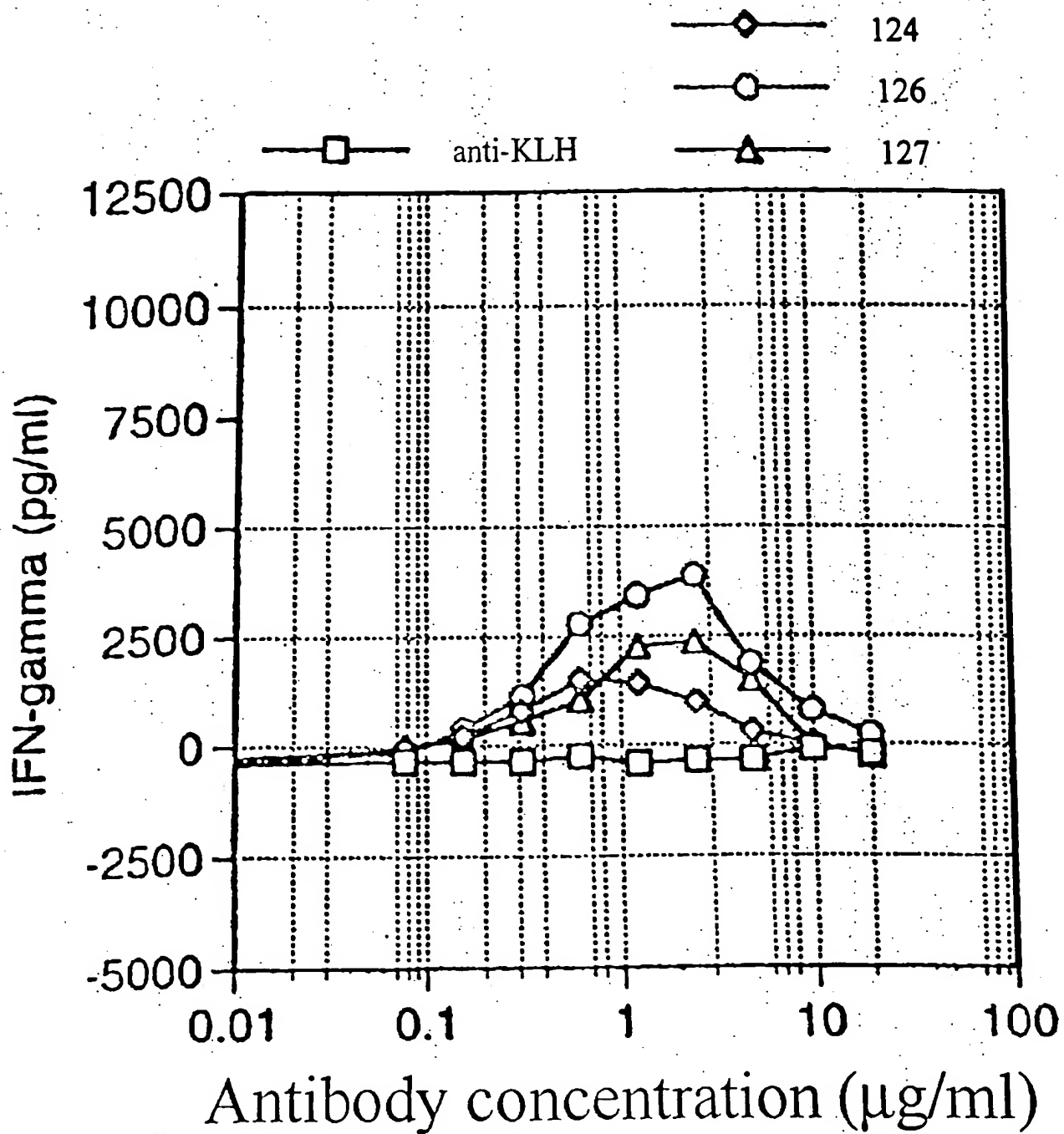
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 44

Applicant(s): Takashi Tsuji et al.

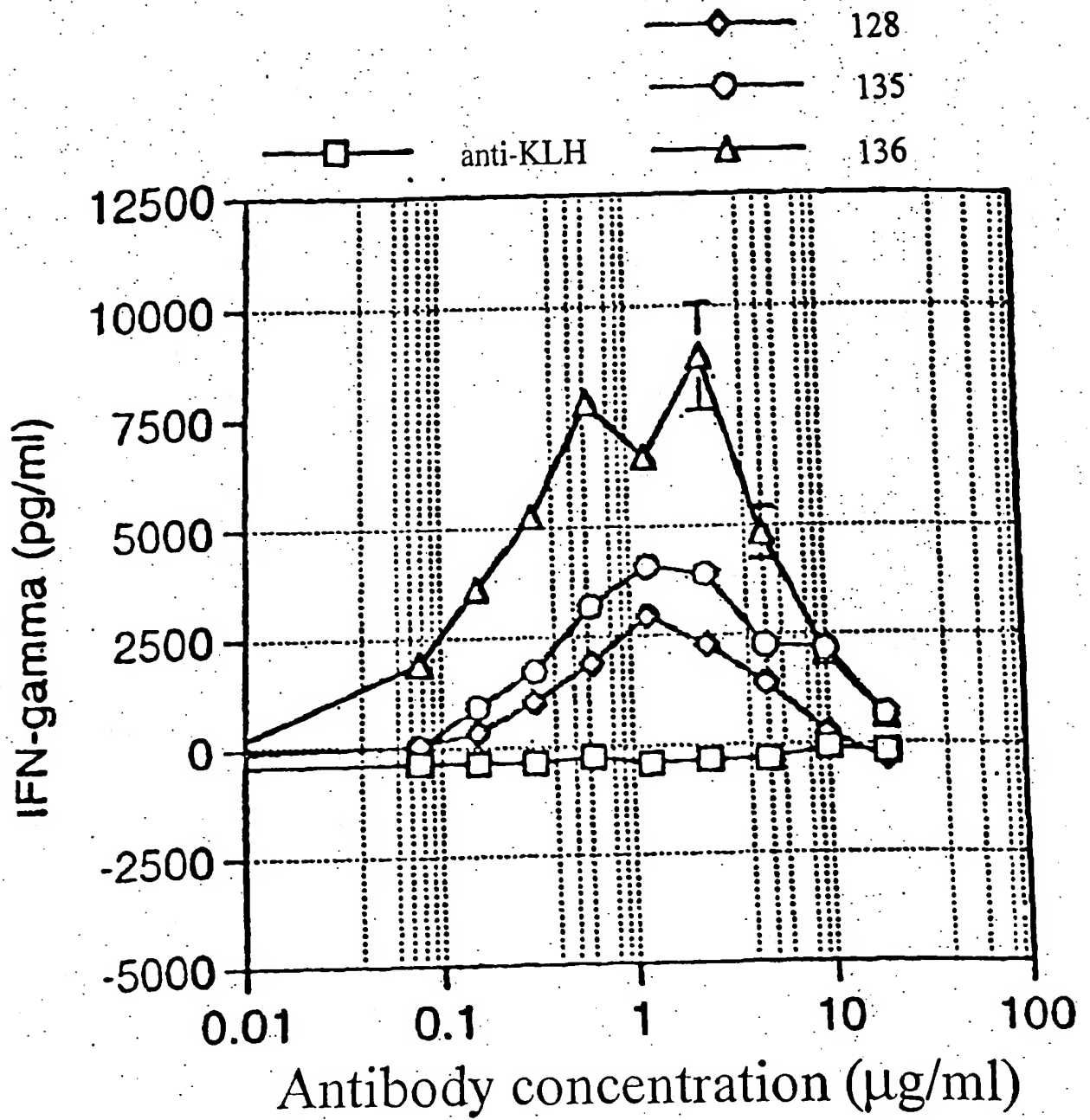
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
A1IM AND PHARMACEUTICAL USE THEREOF

FIG. 45

Applicant(s): Takashi Tsuji et al.

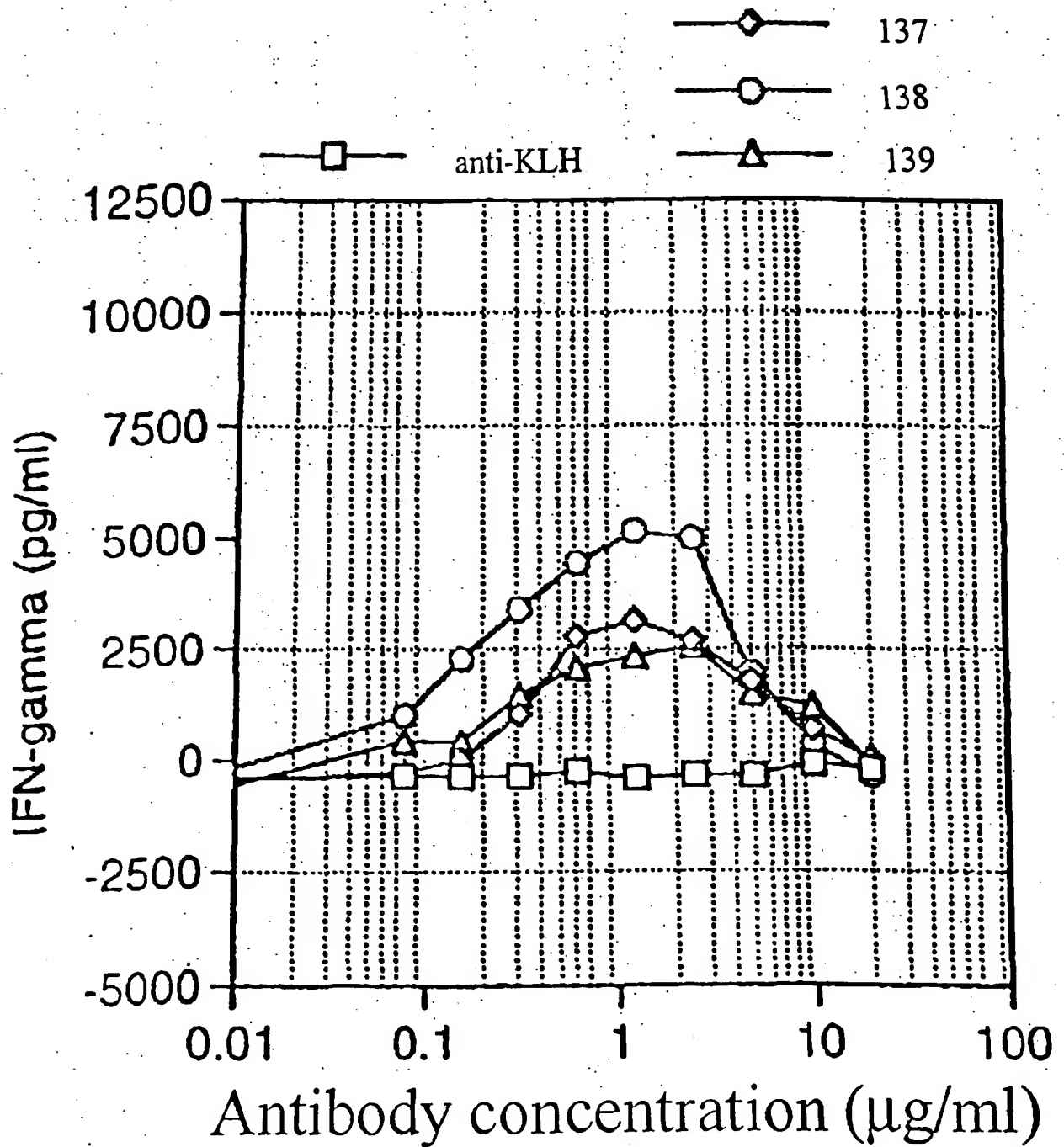
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AIIIM AND PHARMACEUTICAL USE THEREOF

FIG. 46

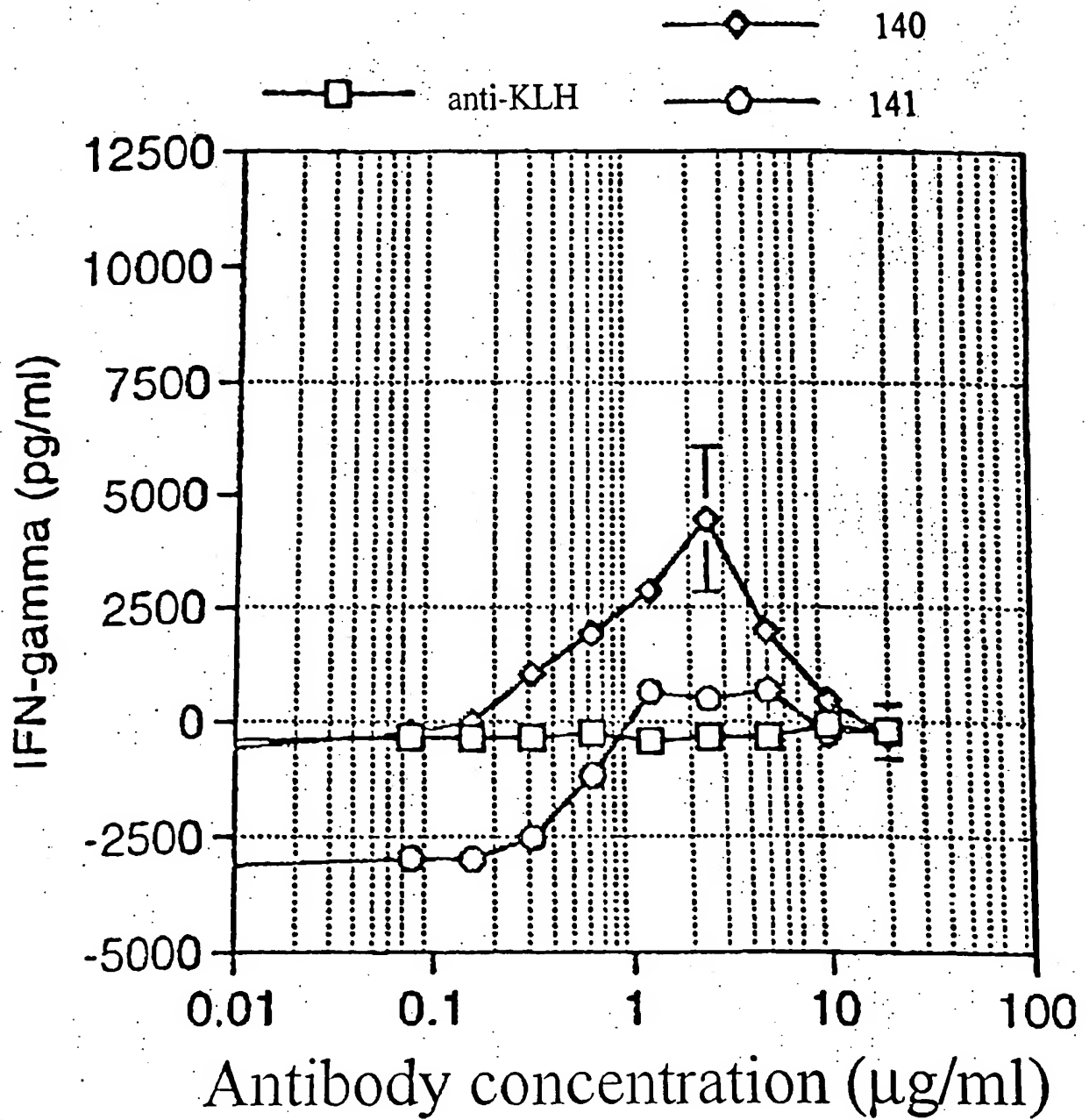


FIG. 47

Applicant(s): Takashi Tsuji et al.

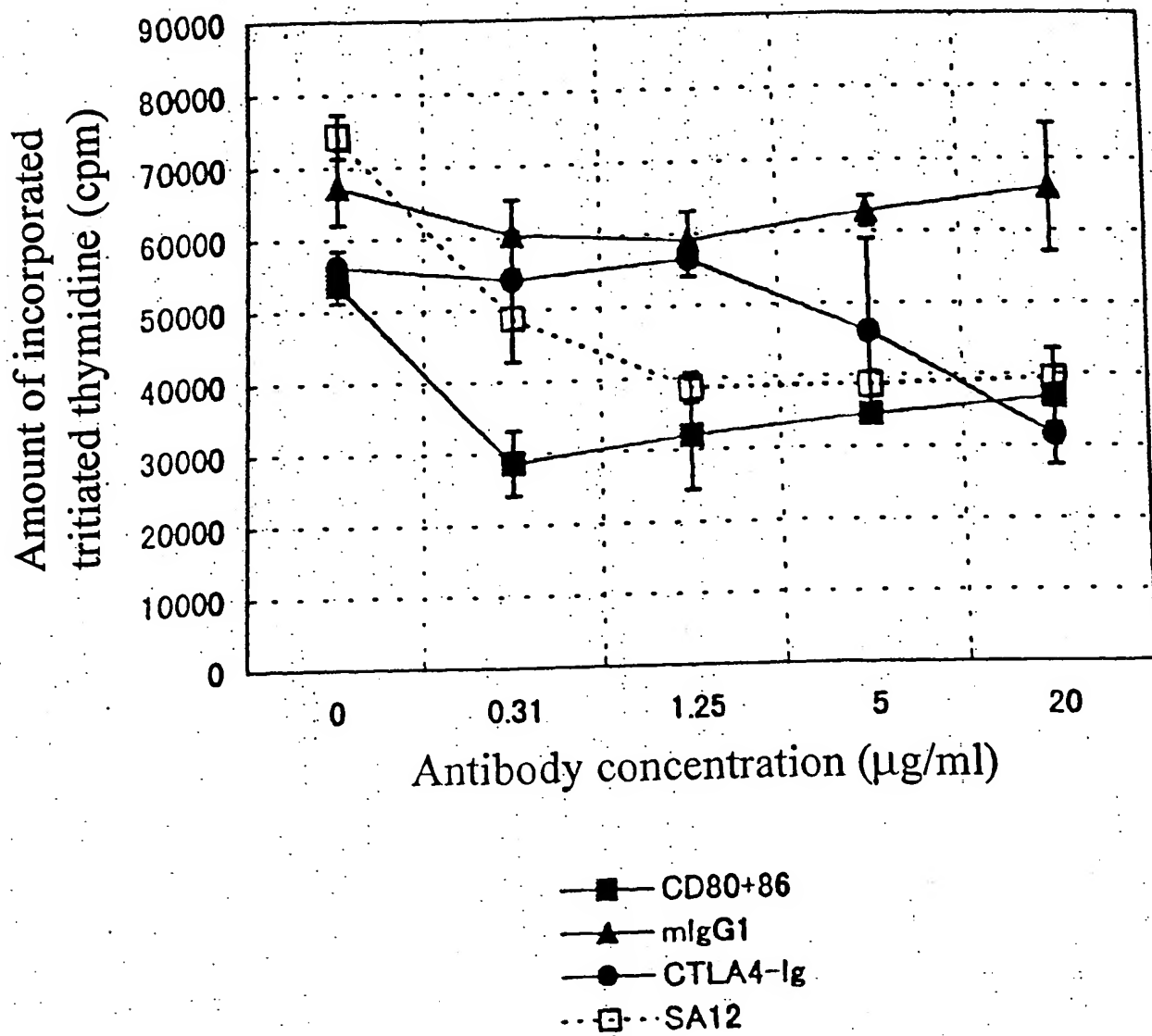
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 48



Applicant(s): Takashi Tsuji et al.

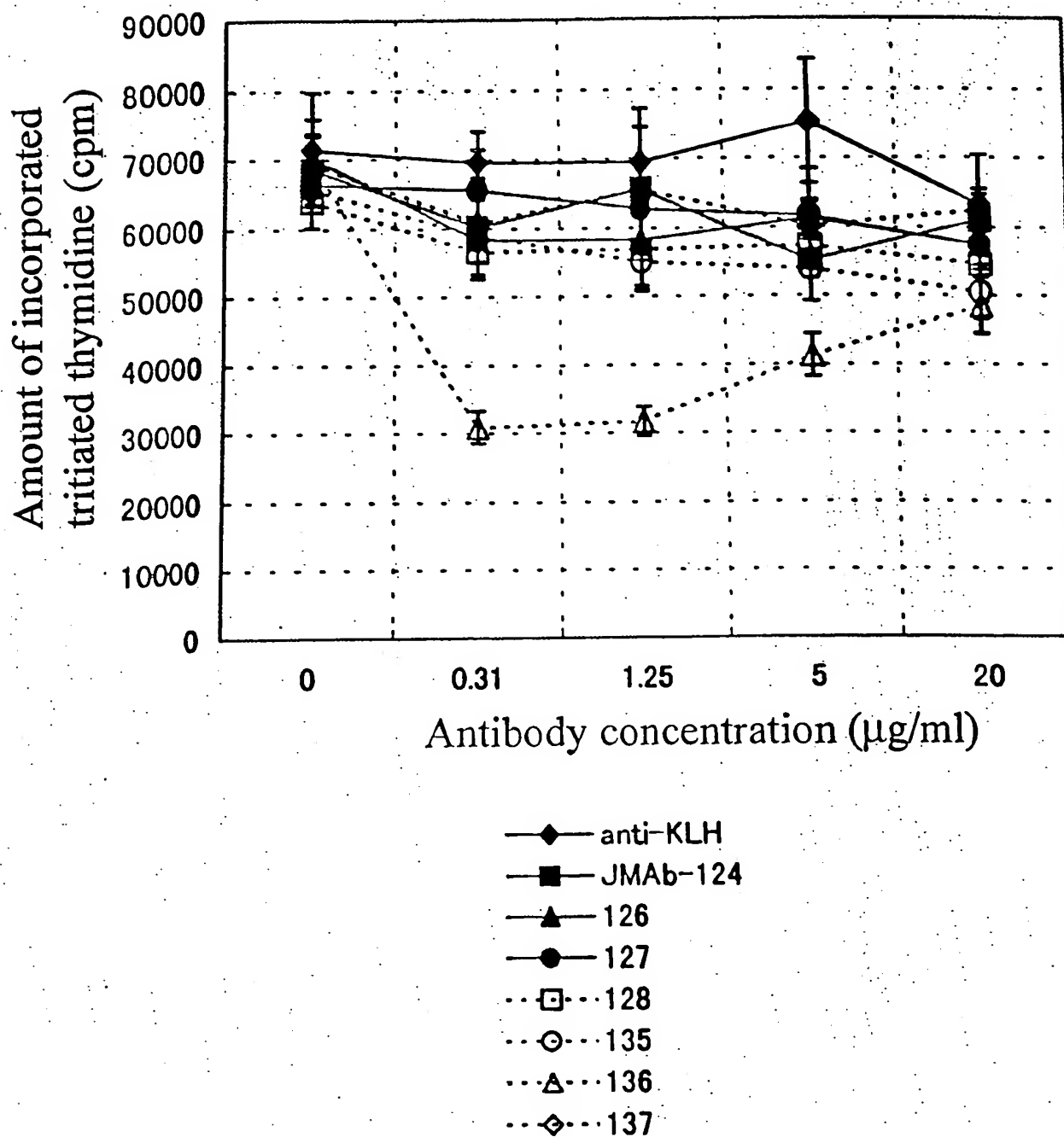
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 49

Applicant(s): Takashi Tsuji et al.

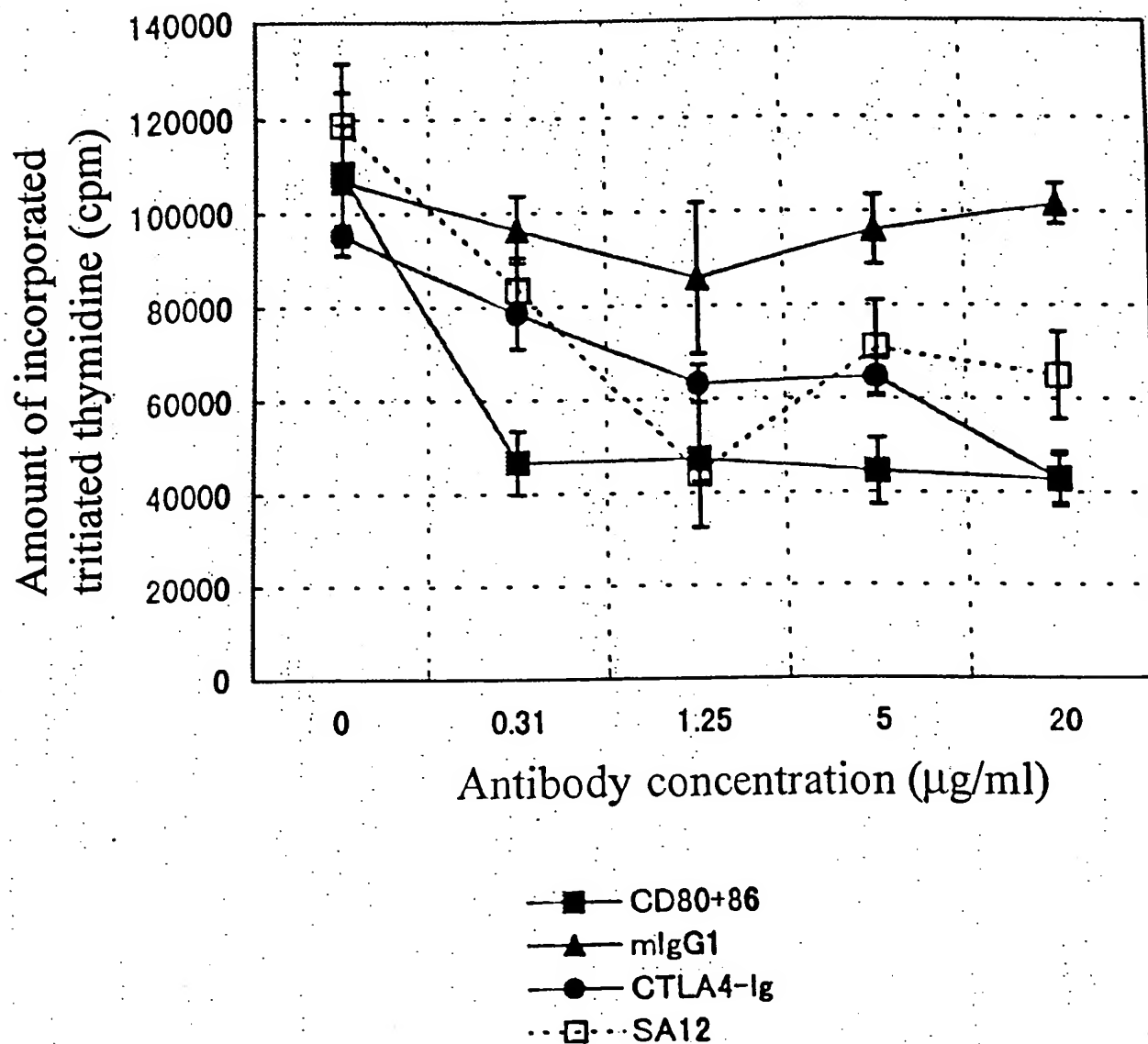
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 50

Applicant(s): Takashi Tsuji et al.

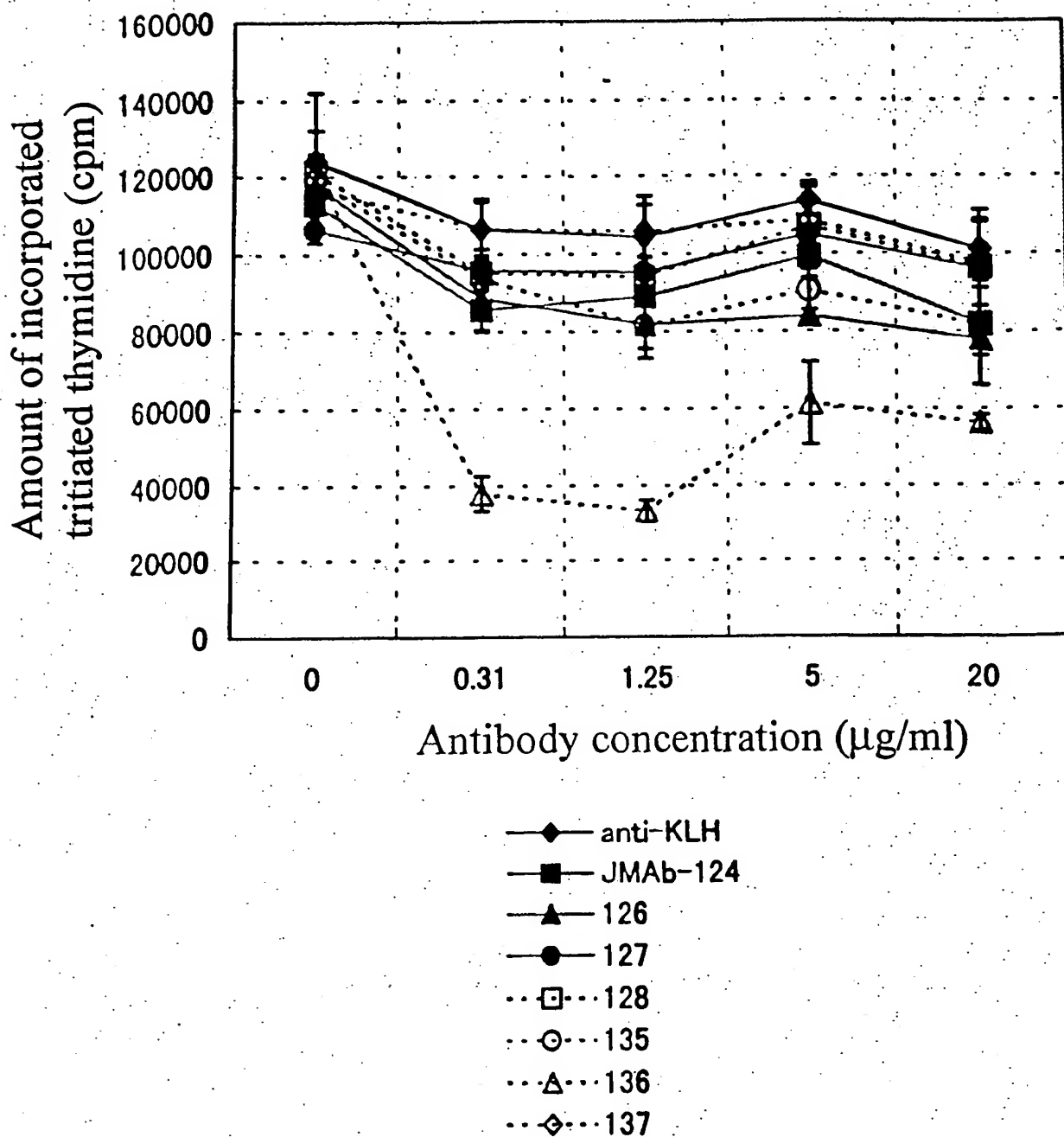
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 51

Applicant(s): Takashi Tsuji et al.

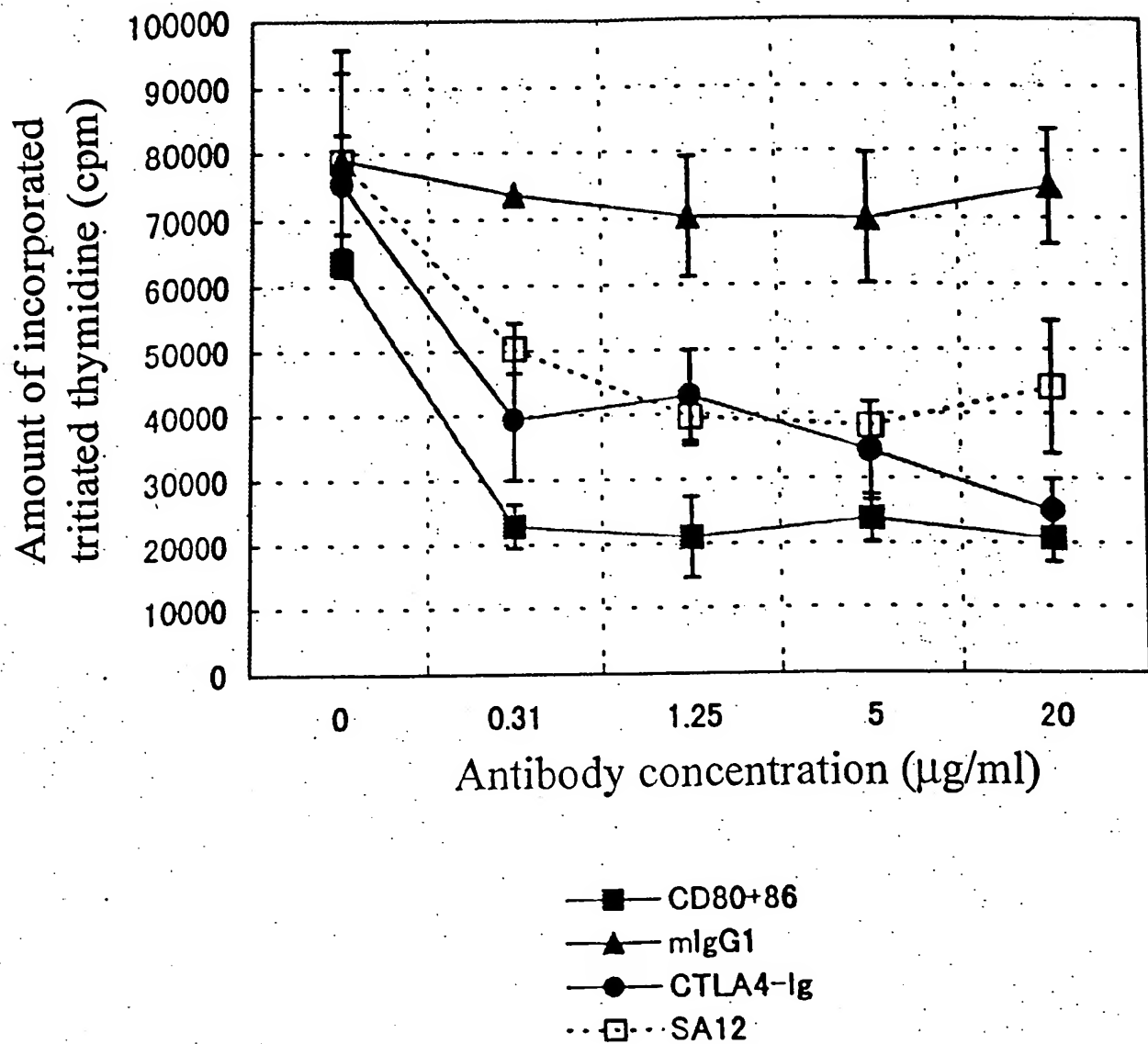
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 52

Applicant(s): Takashi Tsuji et al.

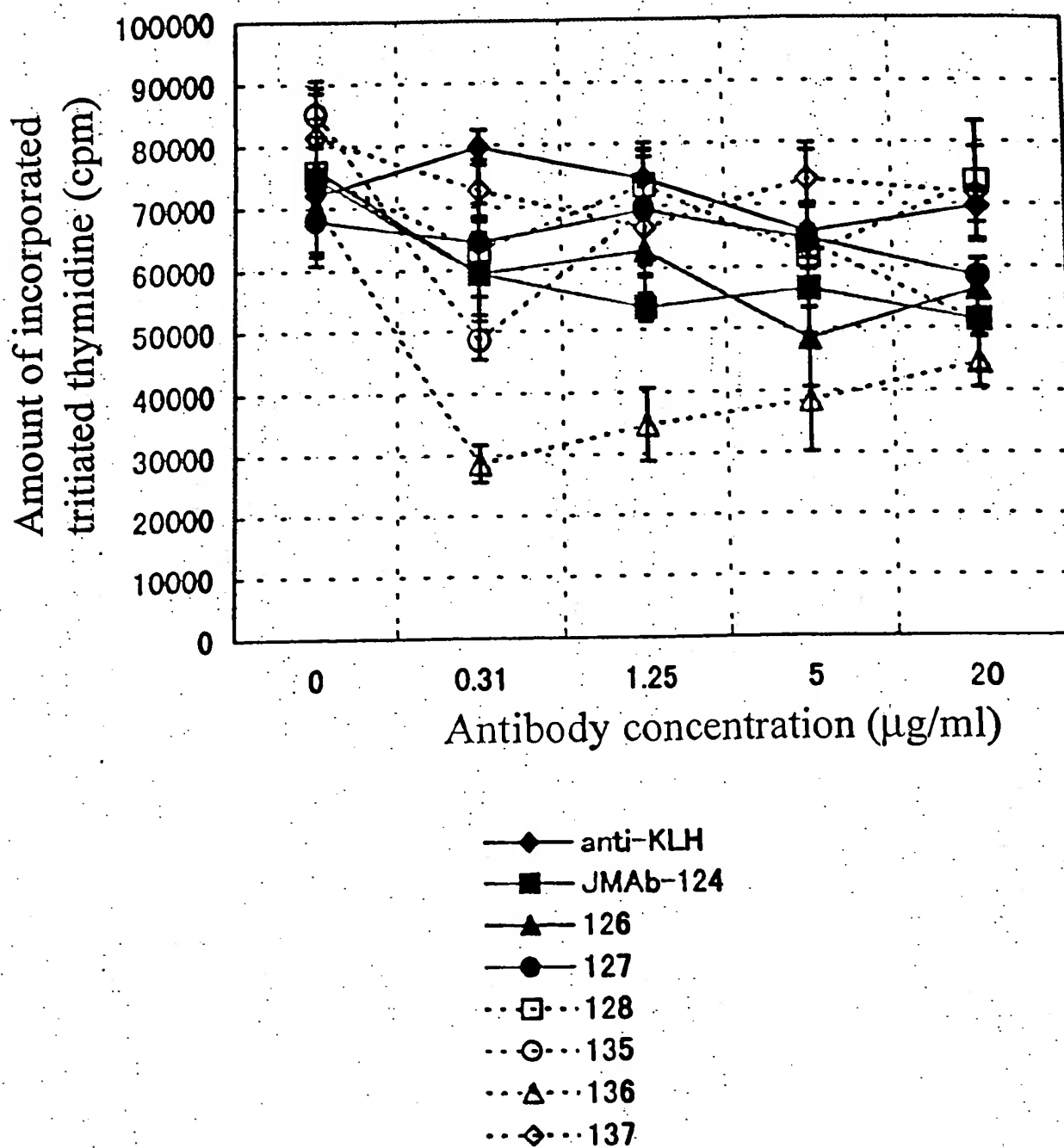
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 53

Applicant(s): Takashi Tsuji et al.

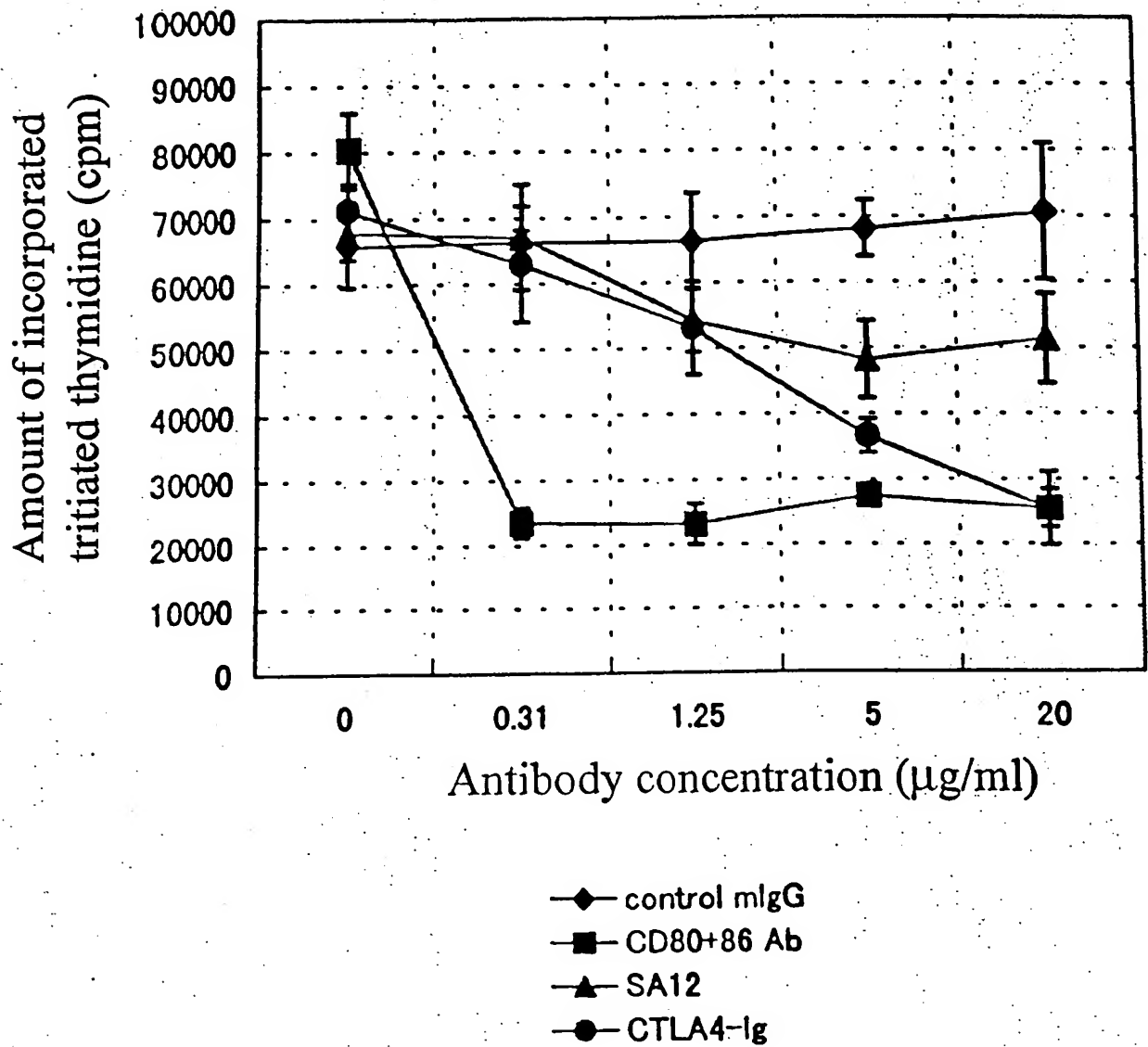
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 54

Applicant(s): Takashi Tsuji et al.

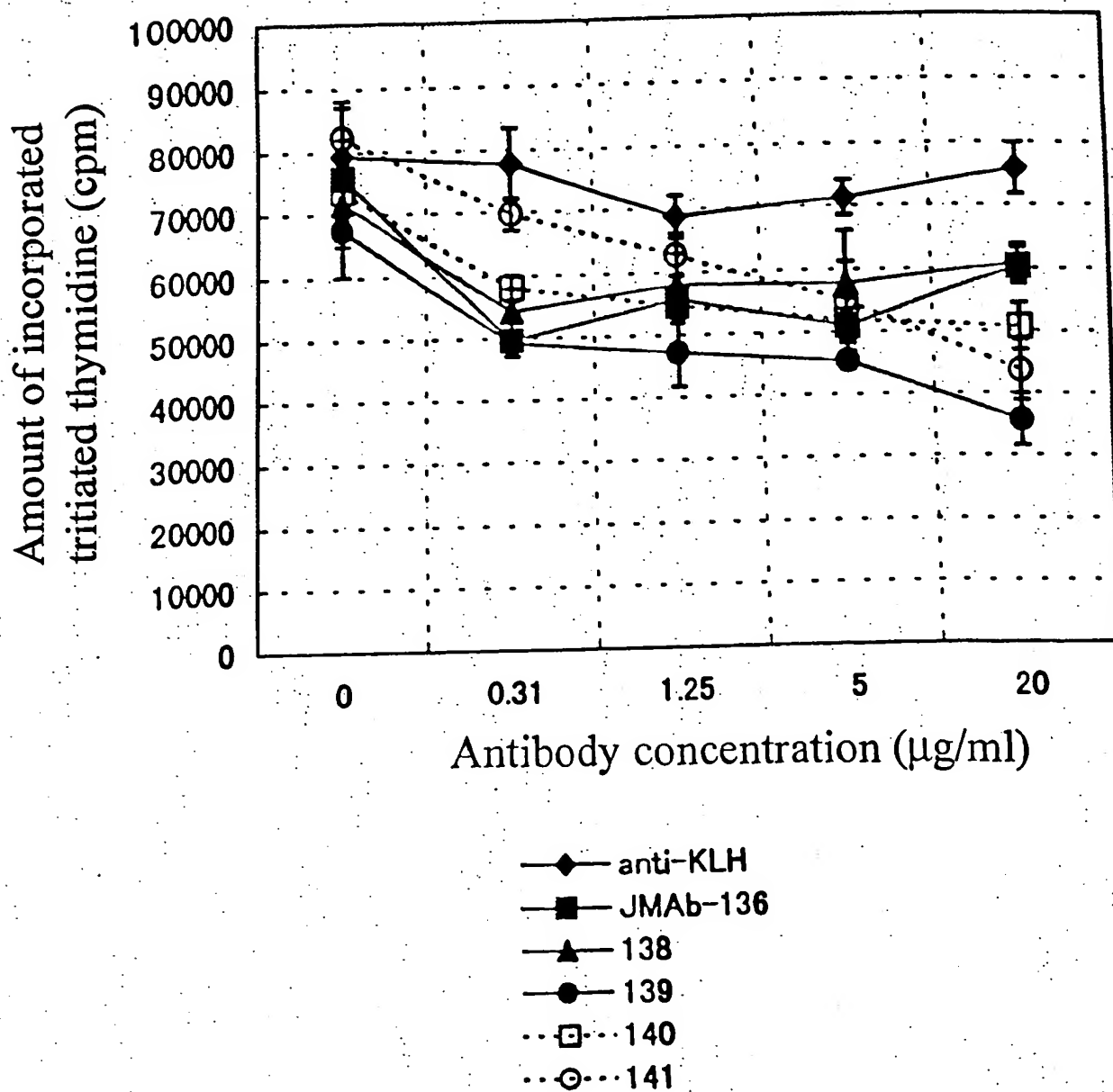
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AIIIM AND PHARMACEUTICAL USE THEREOF

FIG. 55

Applicant(s): Takashi Tsuji et al.

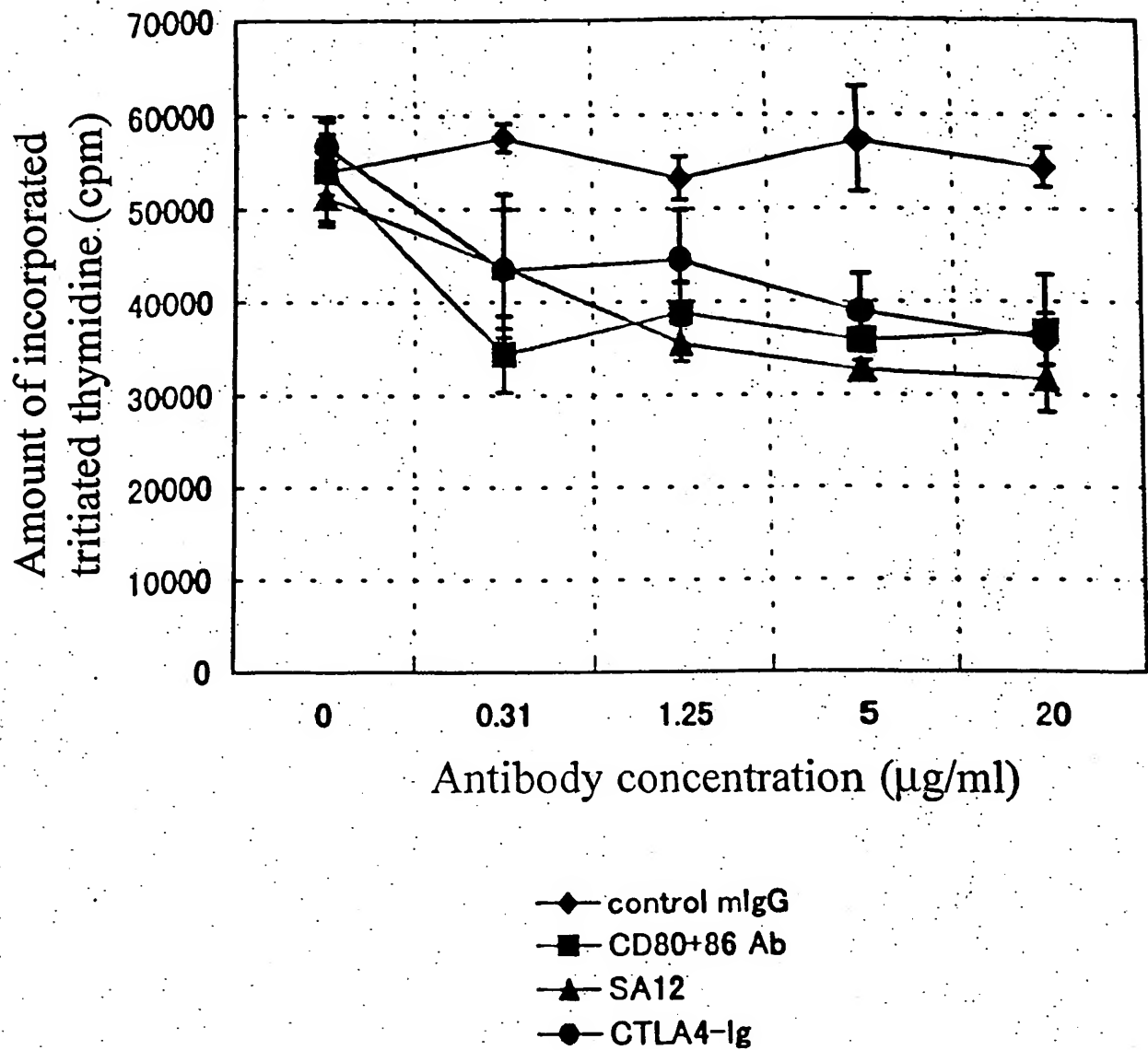
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 56



Applicant(s): Takashi Tsuji et al.

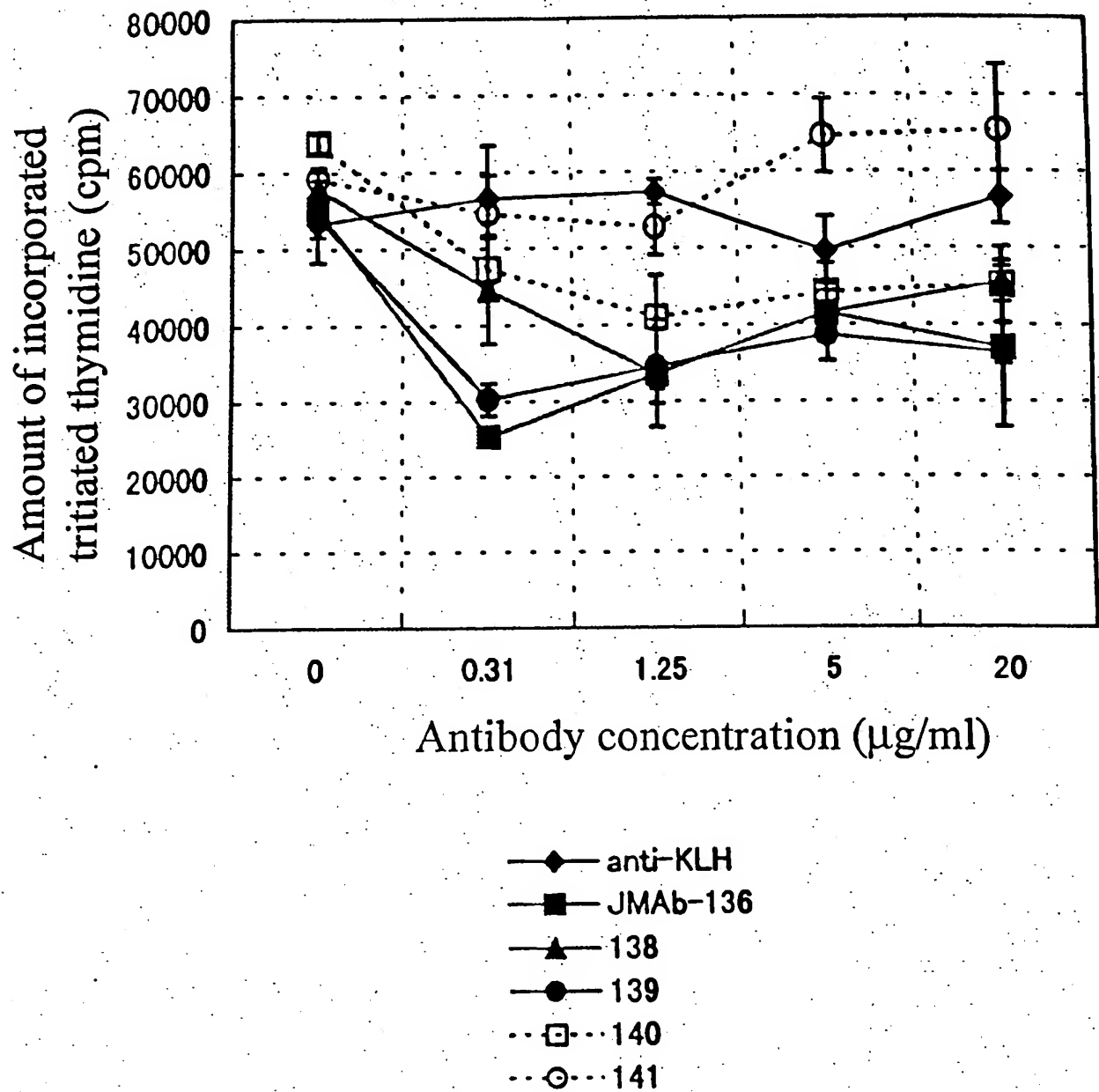
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 57

Applicant(s): Takashi Tsuji et al.

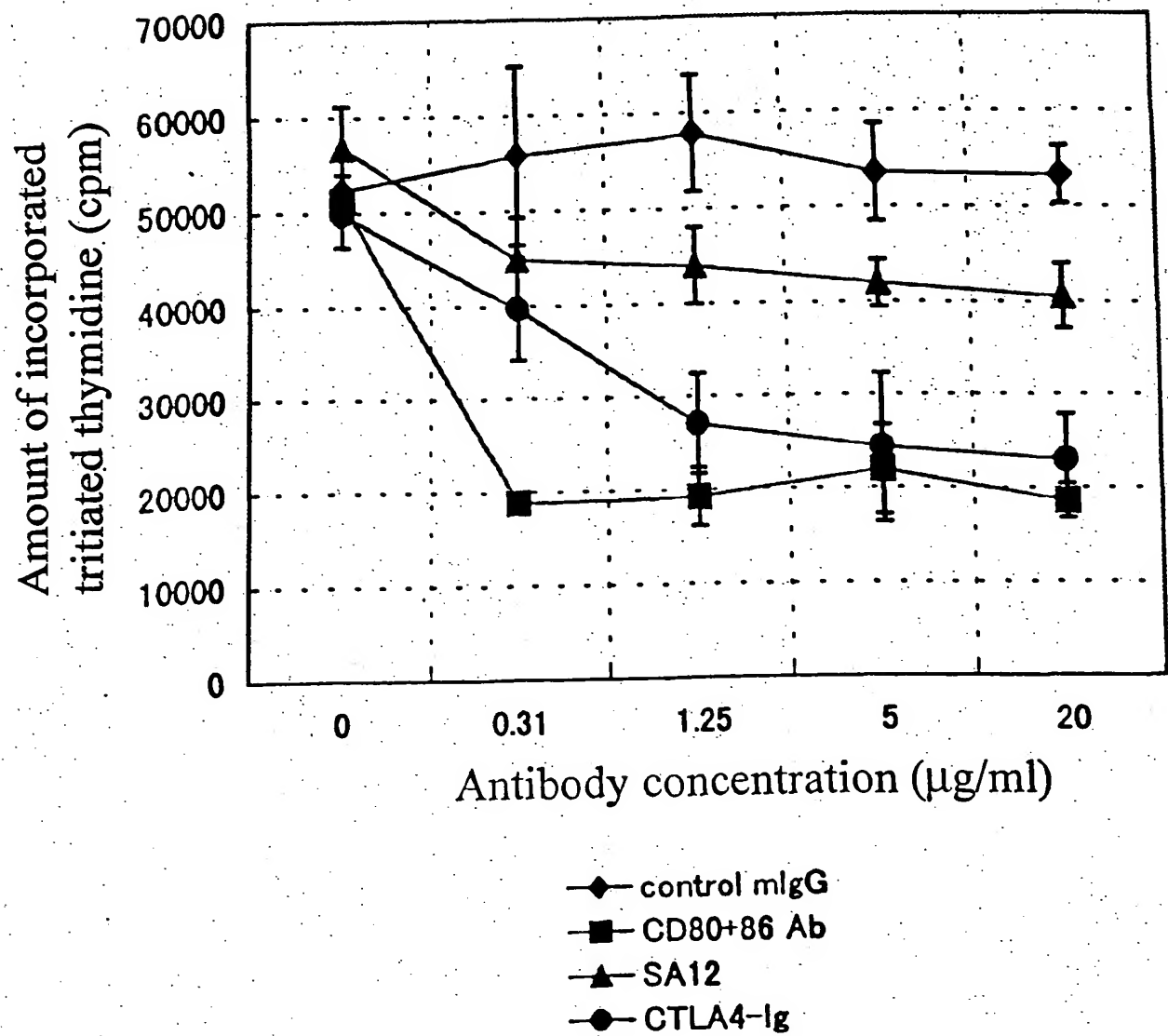
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 58

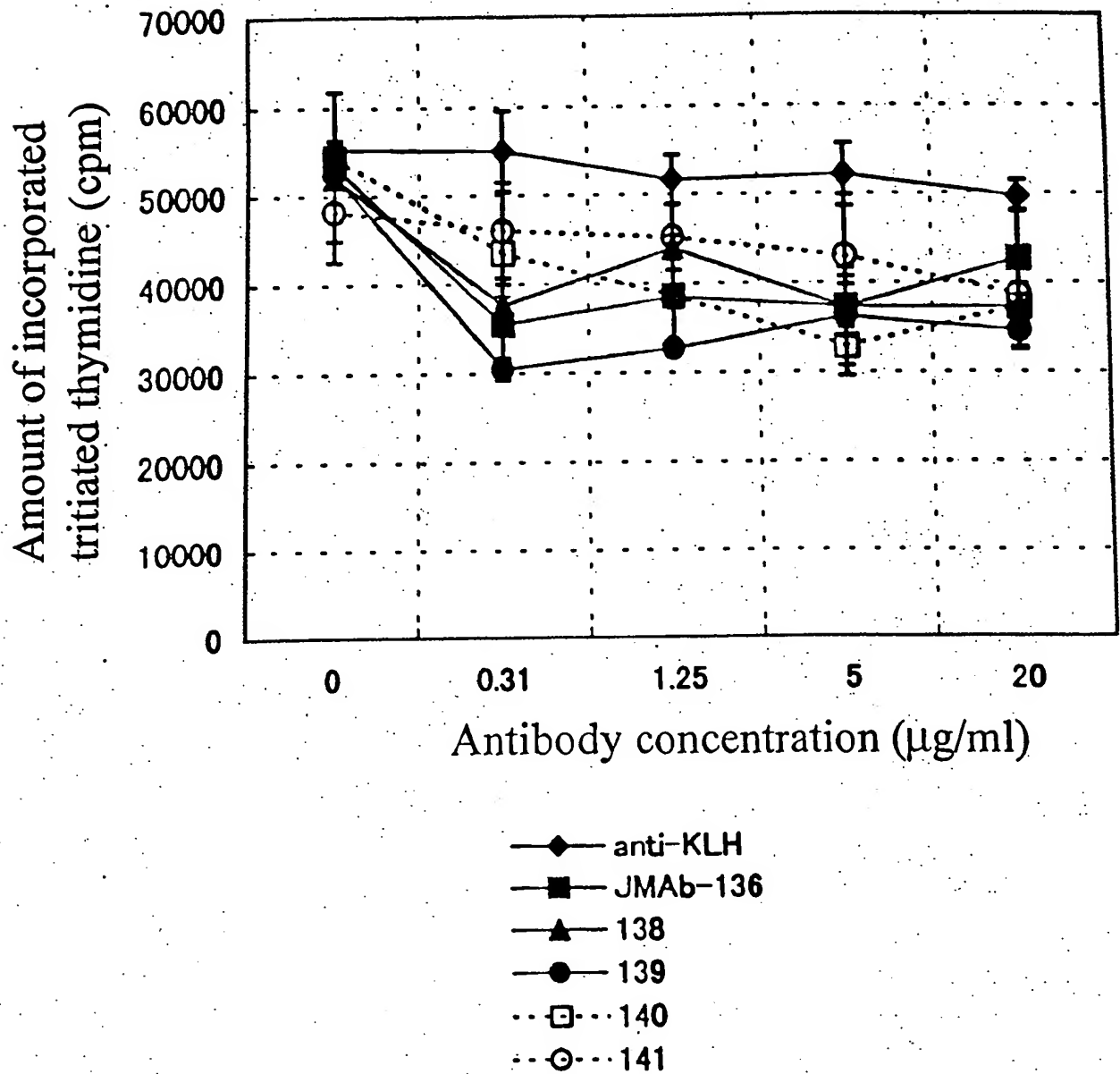


FIG. 59

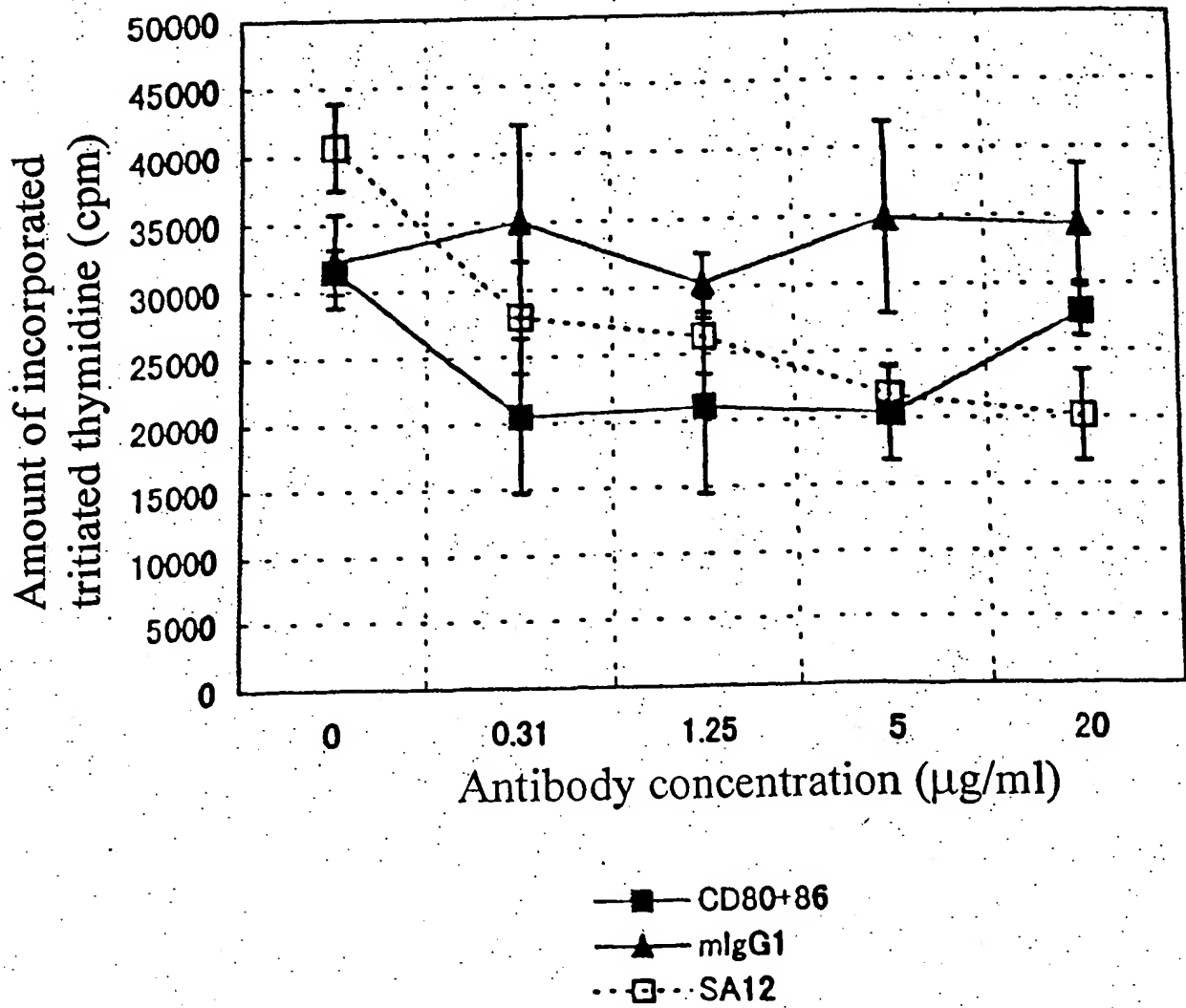


FIG. 60

Applicant(s): Takashi Tsuji et al.

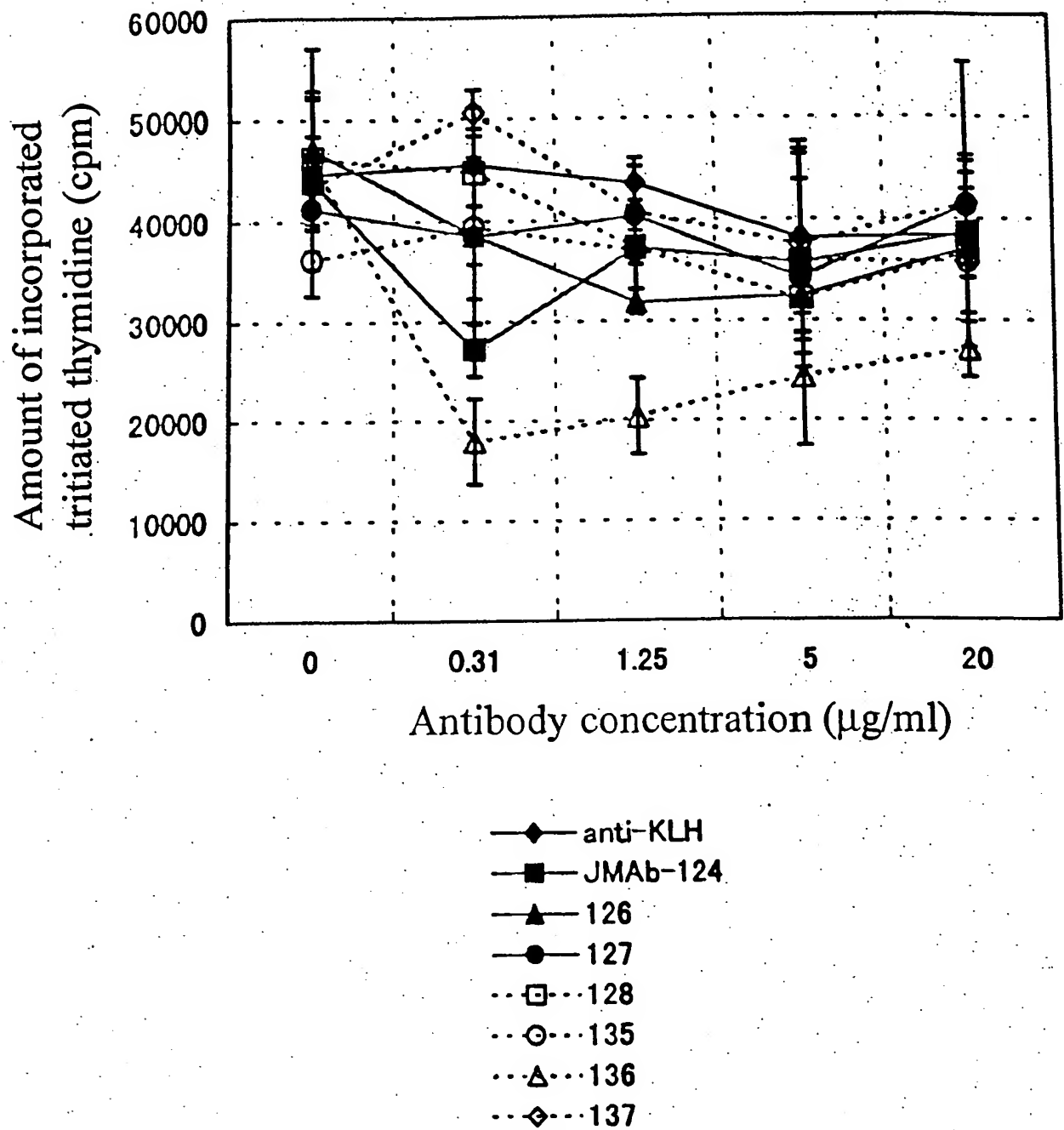
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 61

Applicant(s): Takashi Tsuji et al.

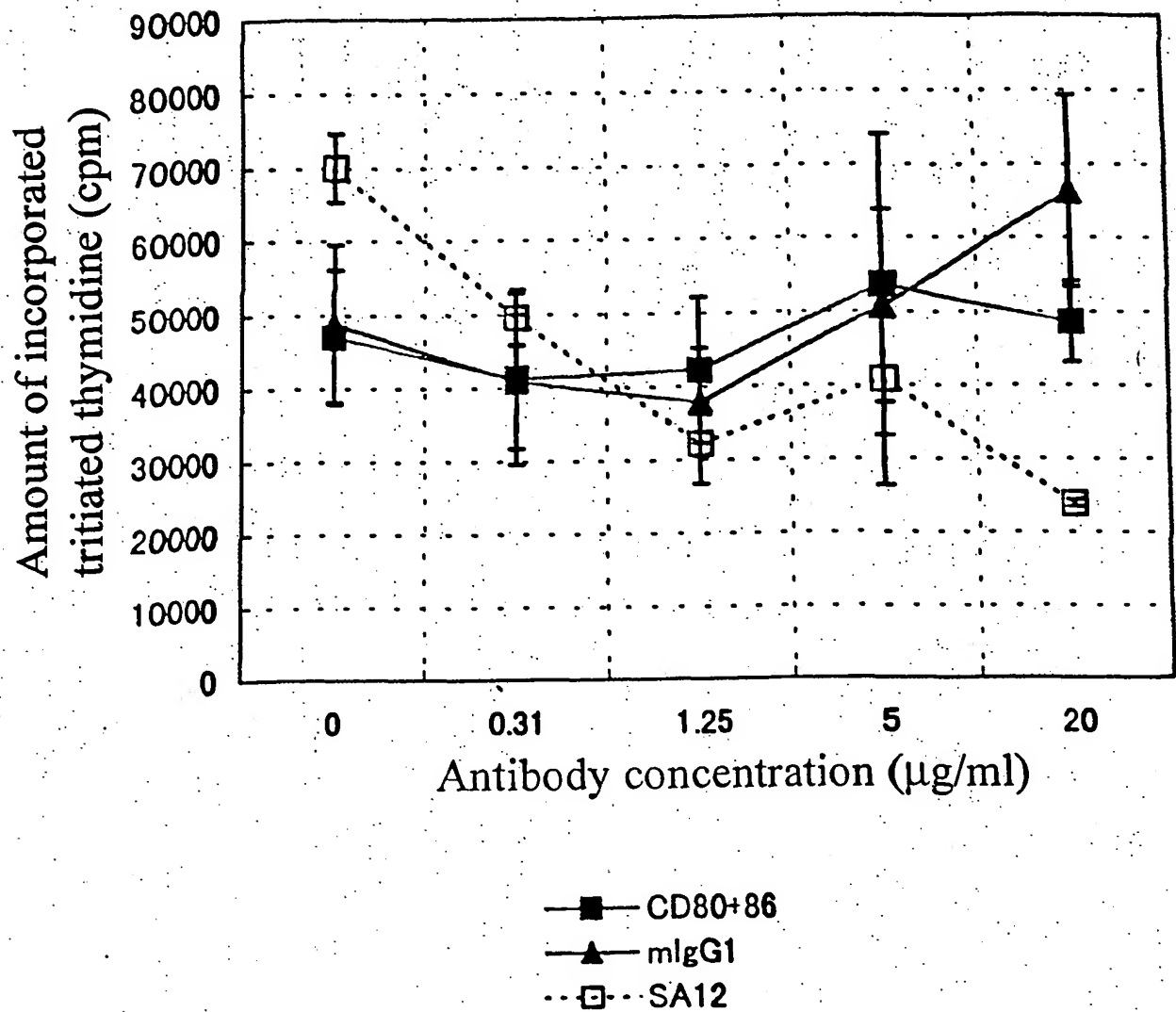
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 62

Applicant(s): Takashi Tsuji et al.

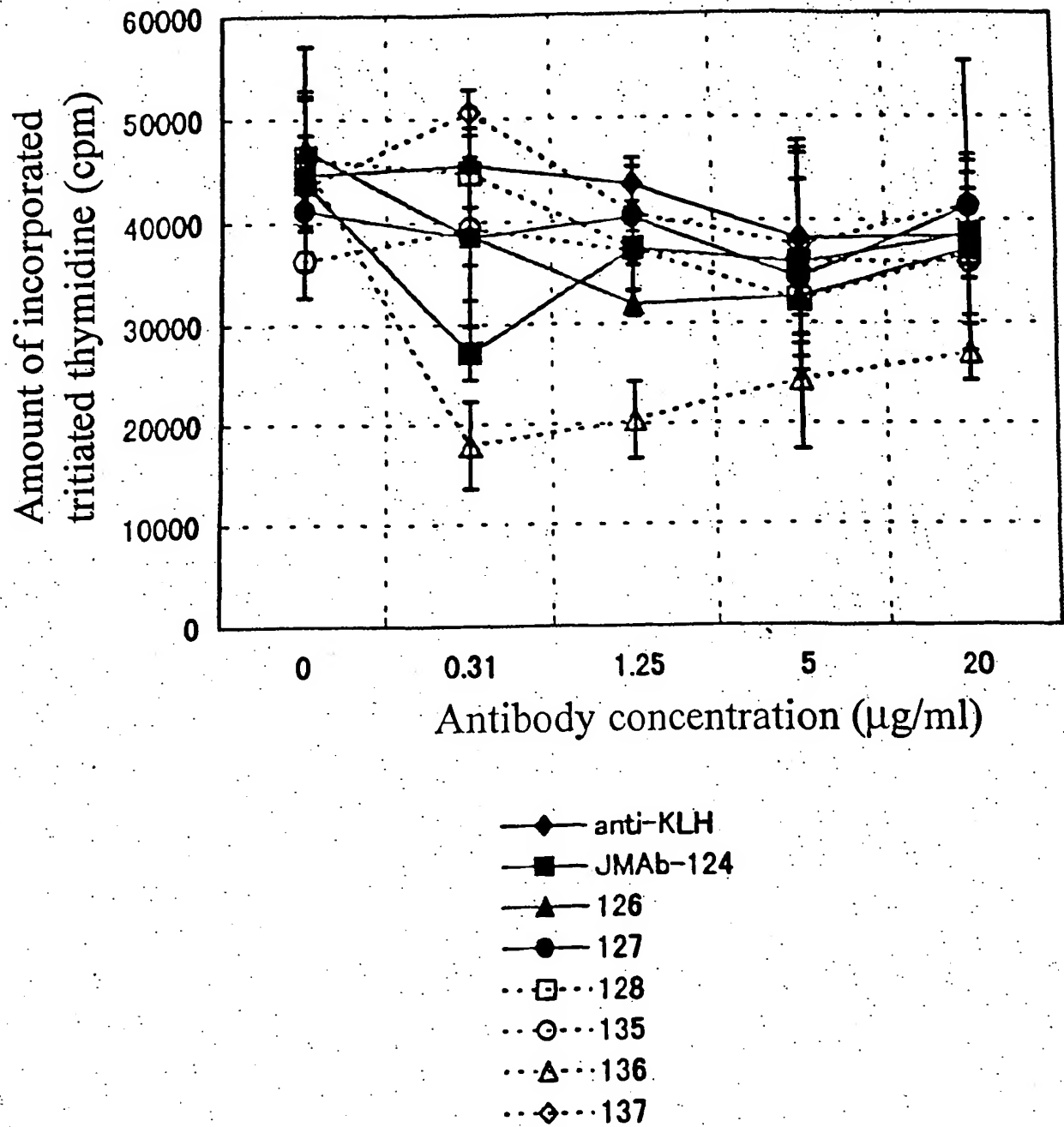
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 63

Applicant(s): Takashi Tsuji et al.

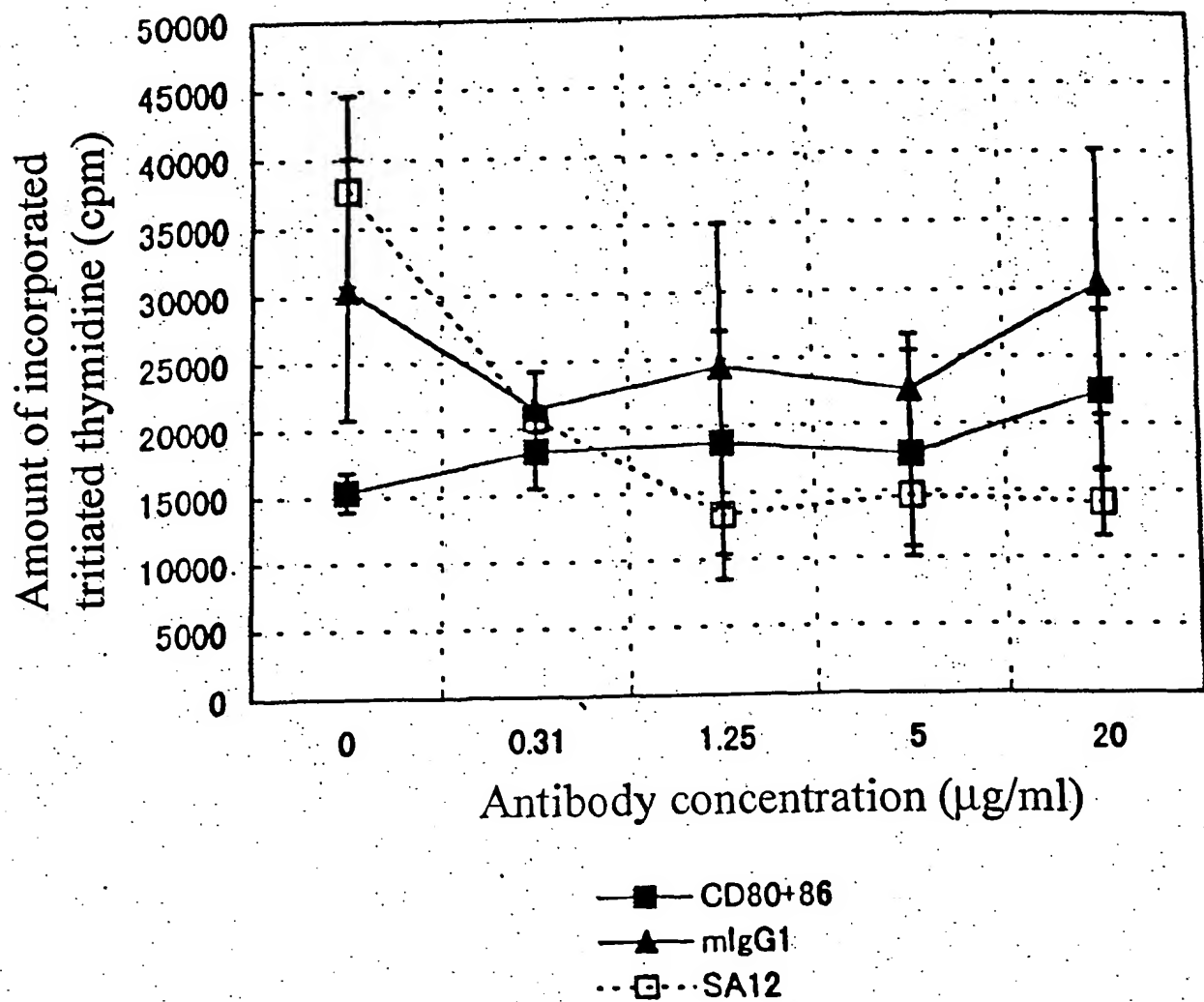
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 64



Applicant(s): Takashi Tsuji et al.

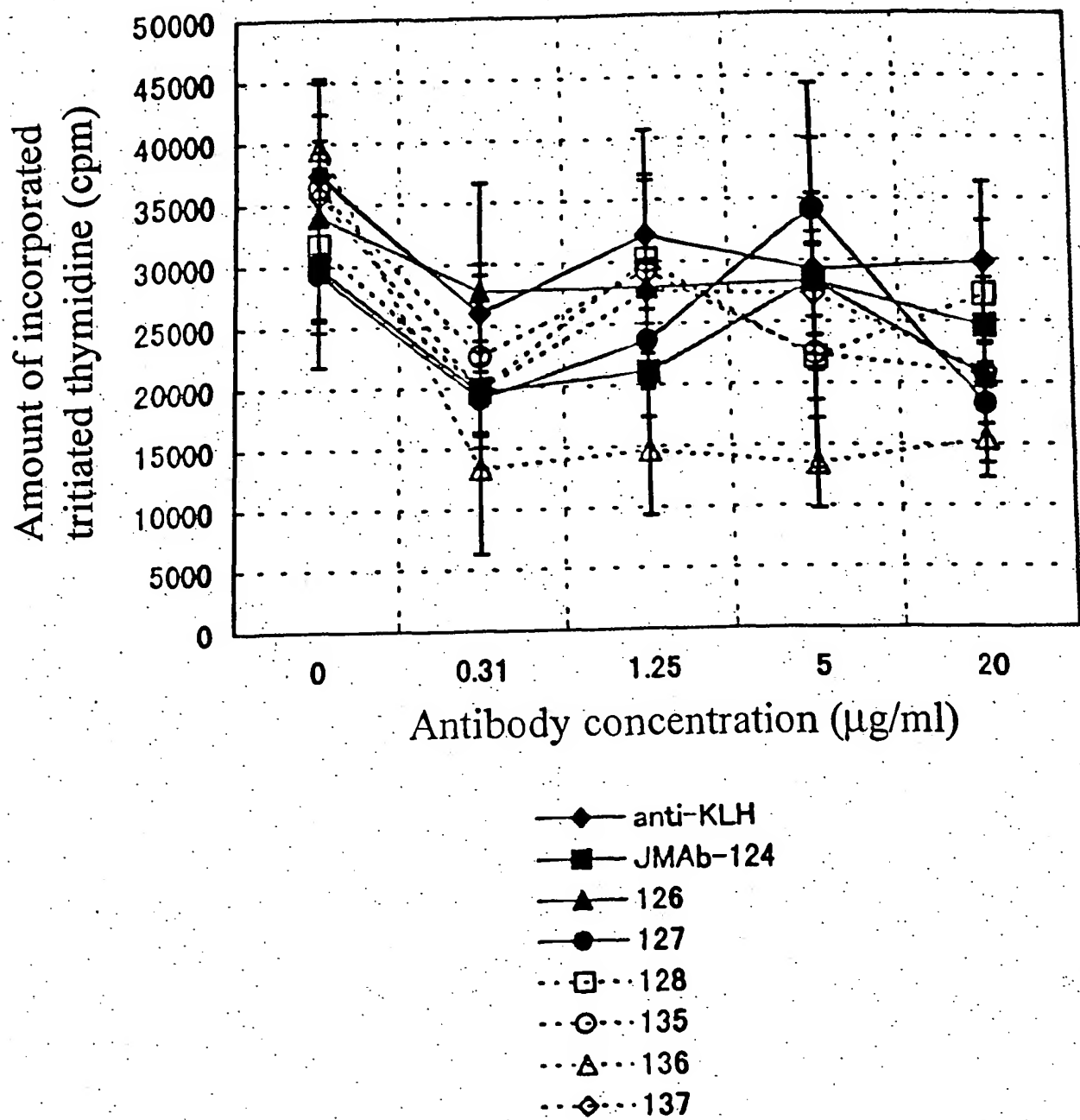
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 65

Applicant(s): Takashi Tsuji et al.

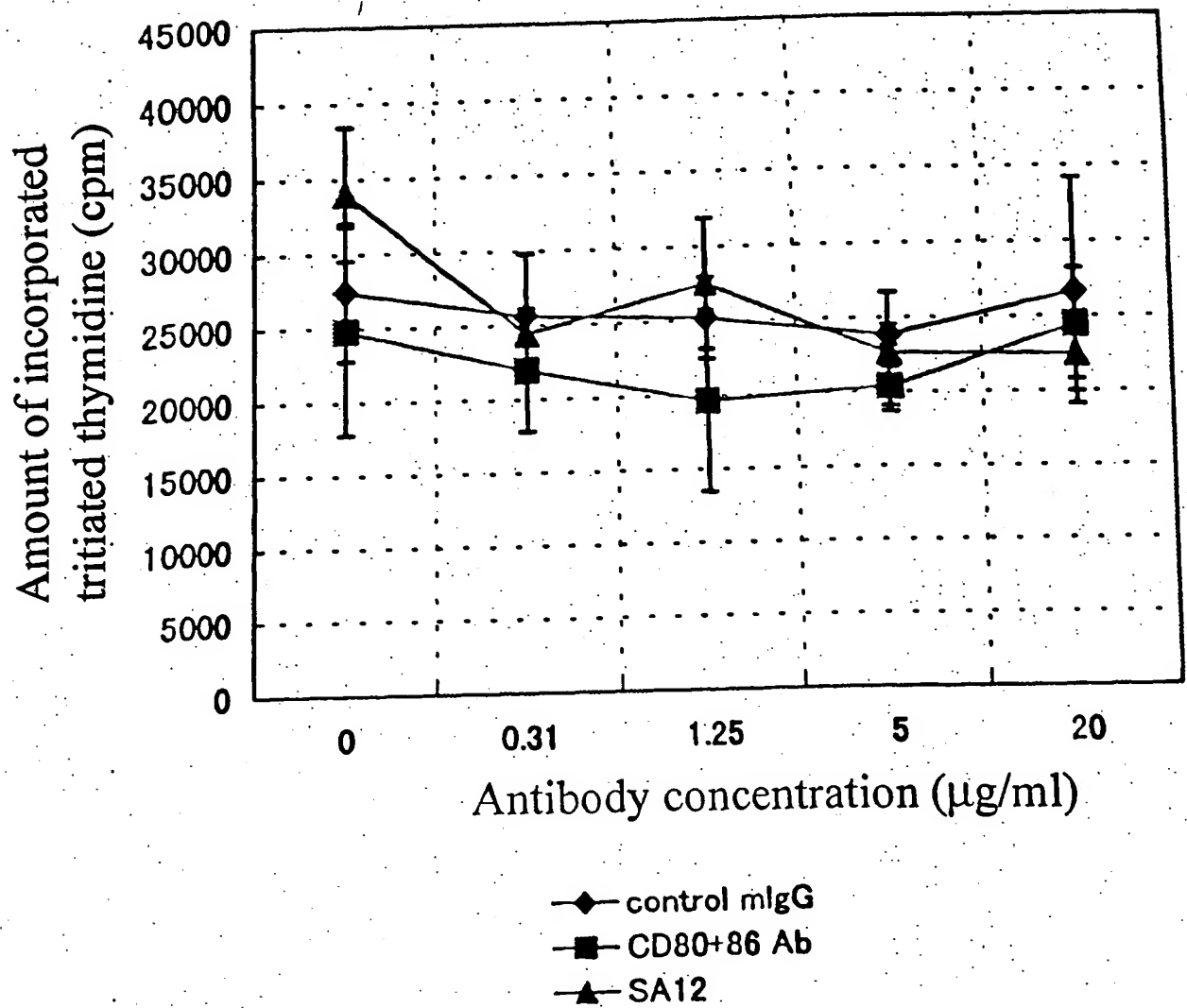
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 66

Applicant(s): Takashi Tsuji et al.

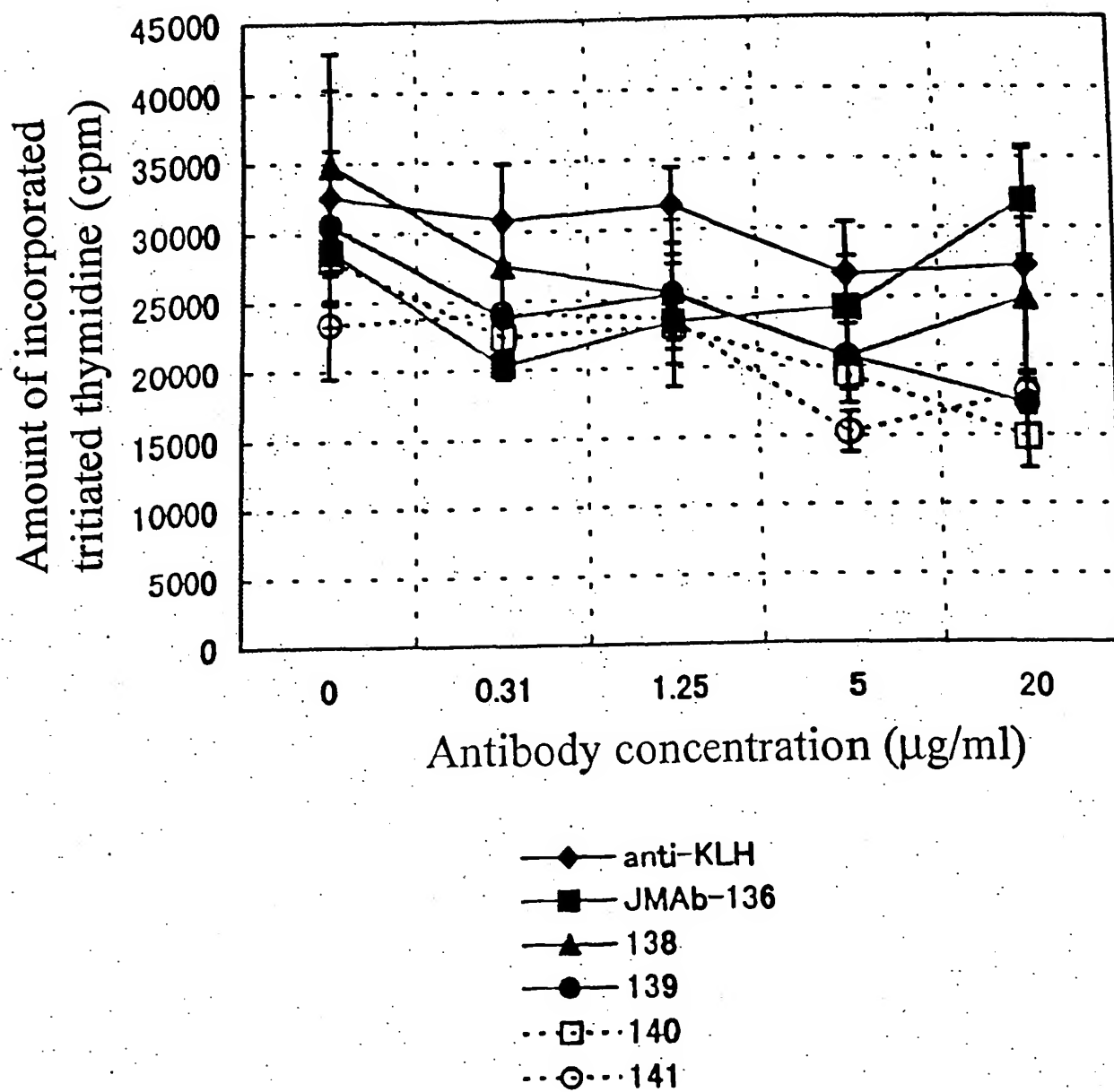
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 67

Applicant(s): Takashi Tsuji et al.

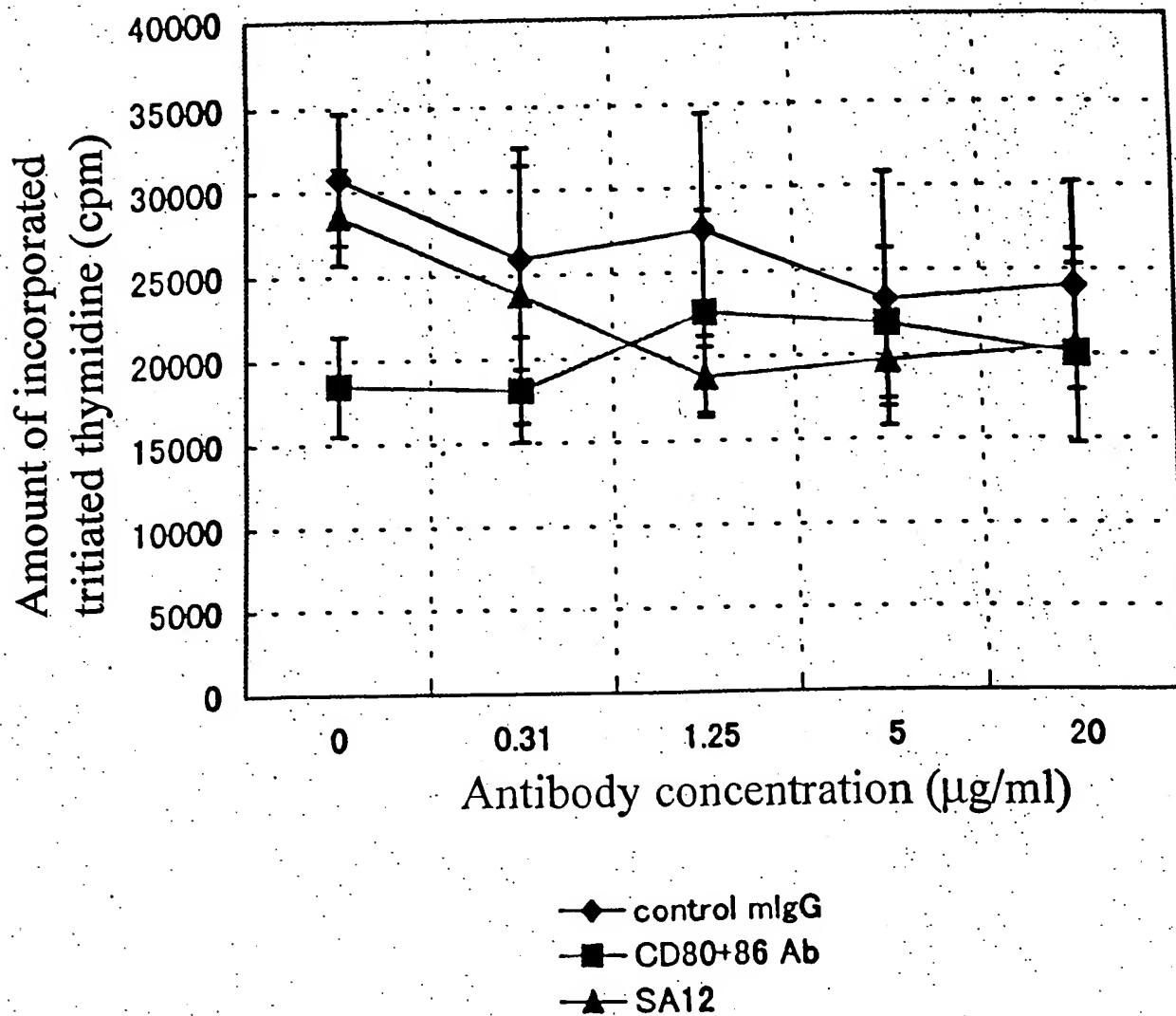
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 68

Applicant(s): Takashi Tsuji et al.

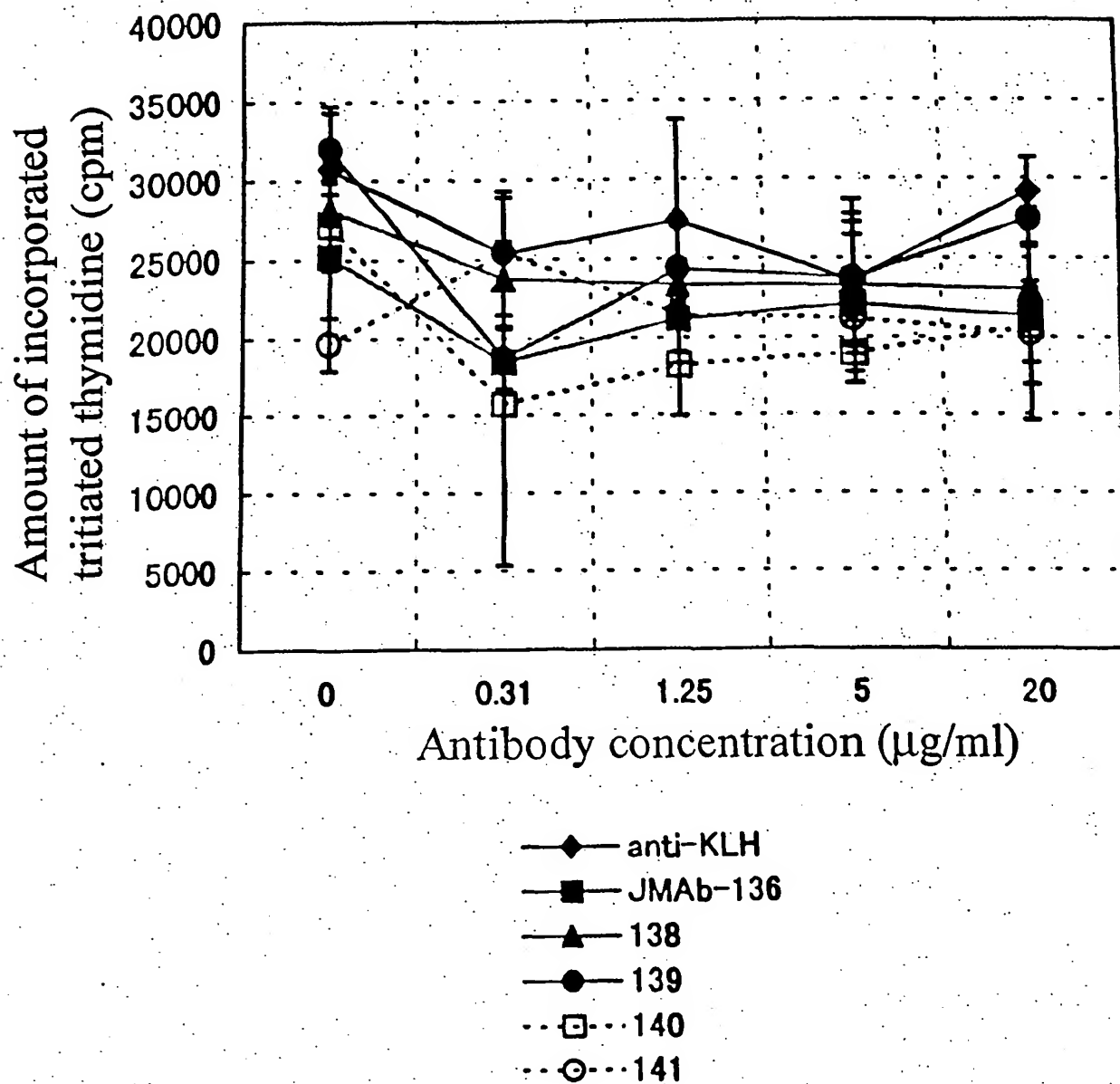
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 69

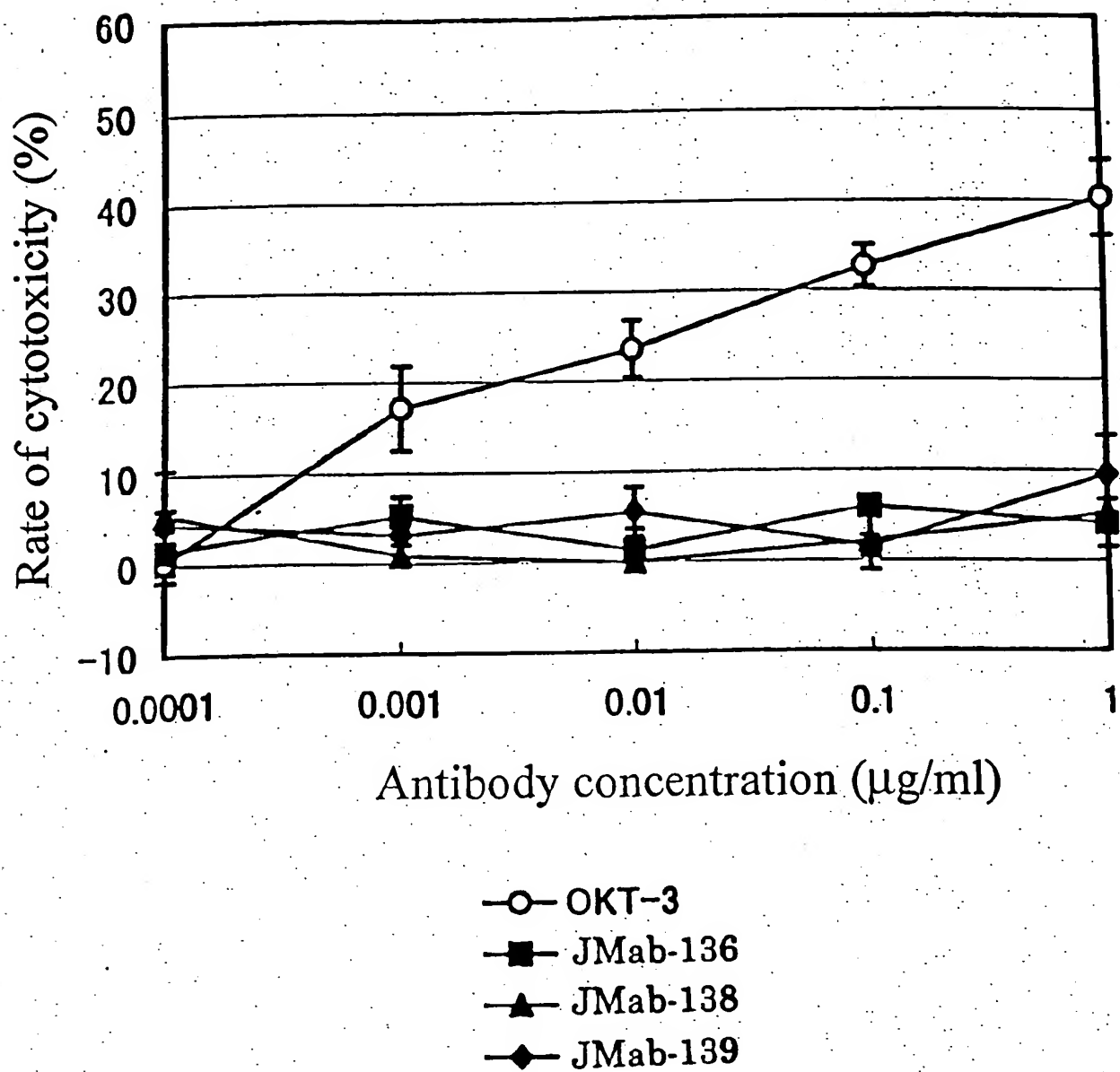


FIG. 70

Applicant(s): Takashi Tsuji et al.

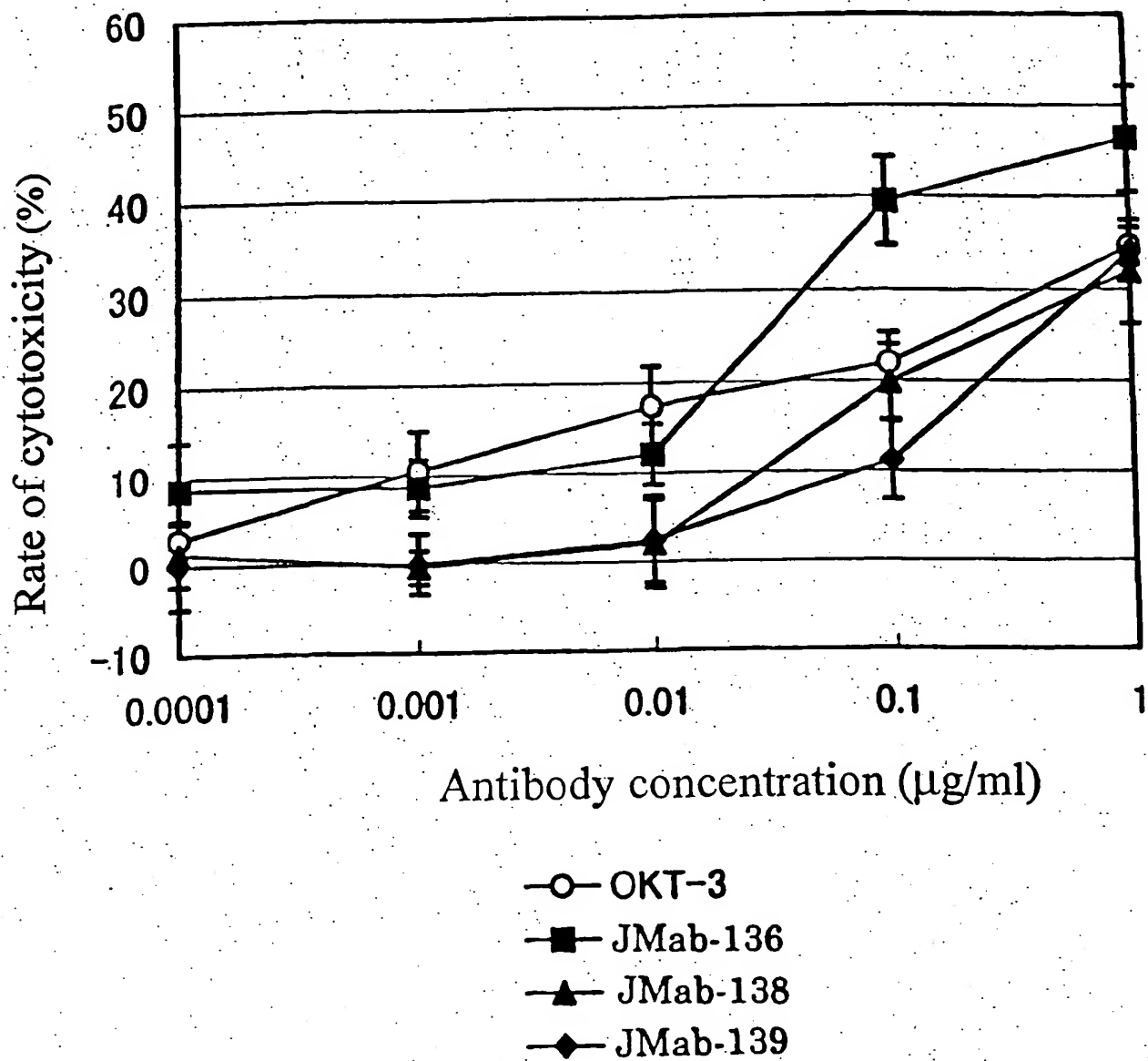
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 71

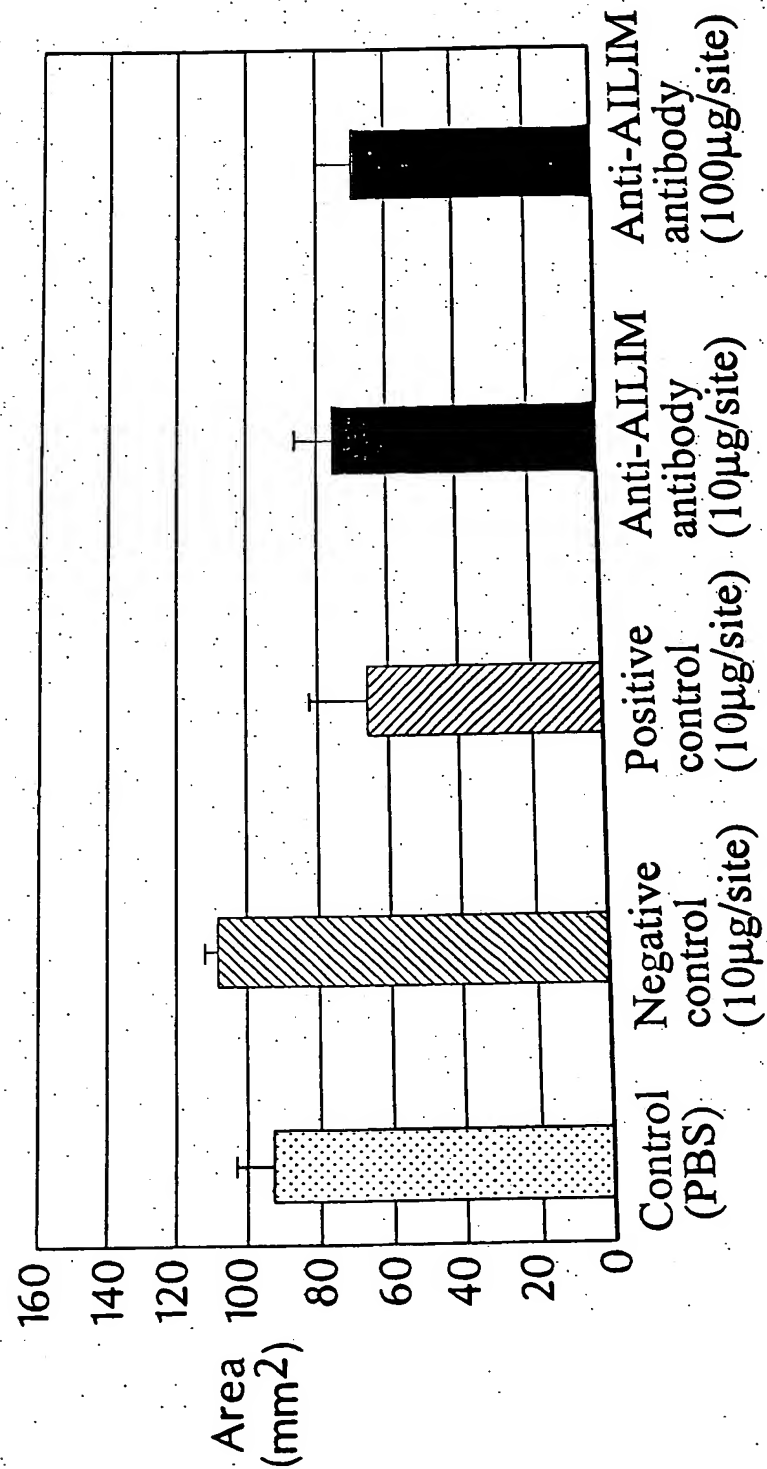


FIG. 72



Applicant(s): Takashi Tsuji et al.

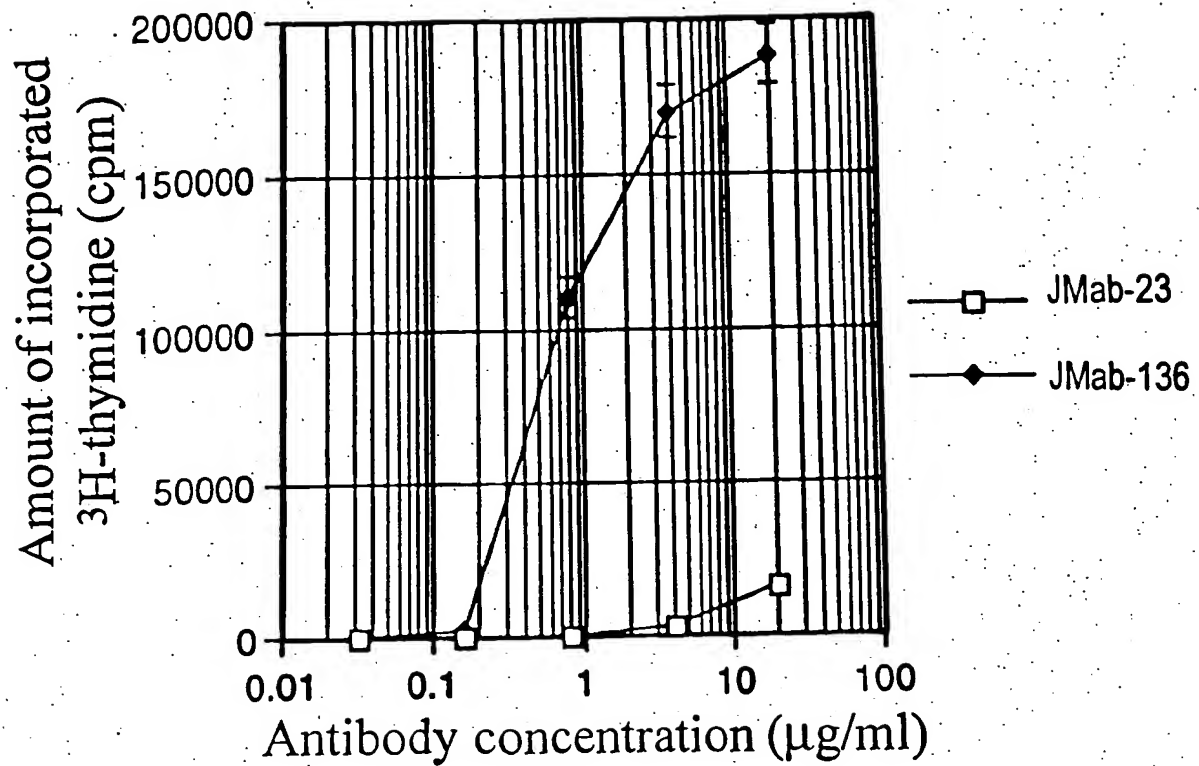
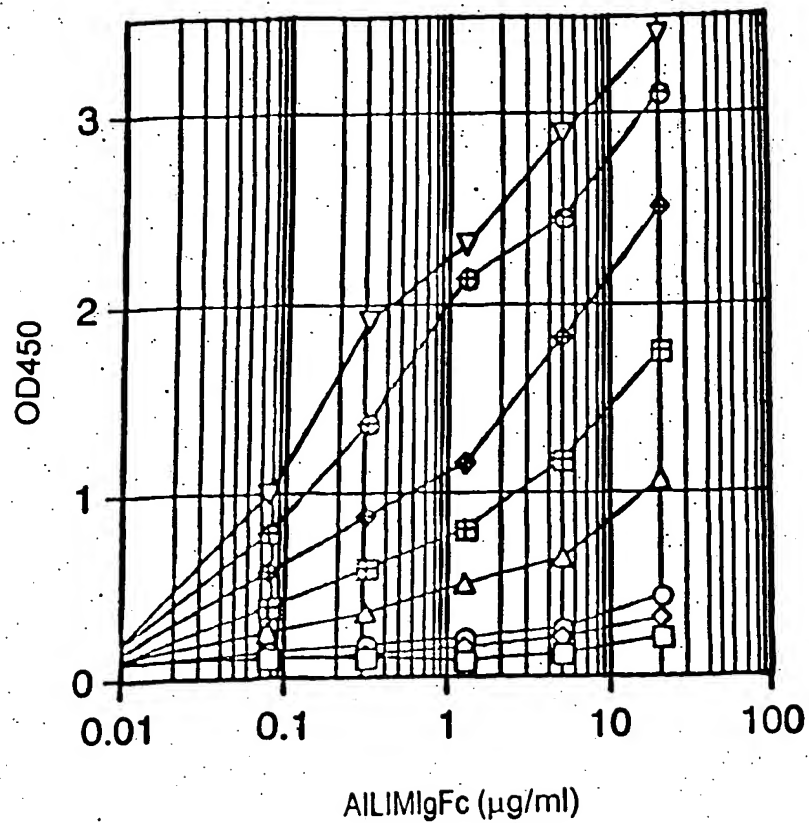
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 73

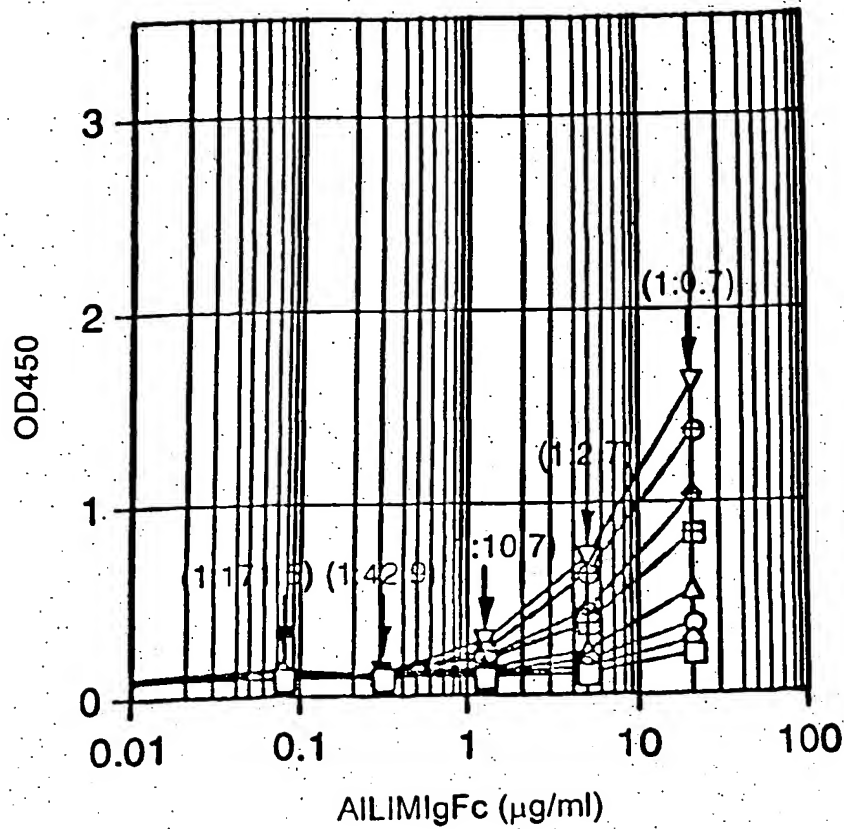
Applicant(s): Takashi Tsuji et al.

HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

Coated amount of B7hlgFc

- 0 ng/well-B7hlgFc
- ◇— 25 ng/well-B7hlgFc
- 50 ng/well-B7hlgFc
- △— 100 ng/well-B7hlgFc
- ▣— 200 ng/well-B7hlgFc
- ◆— 400 ng/well-B7hlgFc
- ⊕— 800 ng/well-B7hlgFc
- ▽— 1600 ng/well-B7hlgFc

FIG. 74



Coated amount of B7hlgFc

- 0 ng/well-B7hlgFc
- ◇— 25 ng/well-B7hlgFc
- 50 ng/well-B7hlgFc
- △— 100 ng/well-B7hlgFc
- ▣— 200 ng/well-B7hlgFc
- ◆— 400 ng/well-B7hlgFc
- ⊕— 800 ng/well-B7hlgFc
- ▽— 1600 ng/well-B7hlgFc

FIG. 75

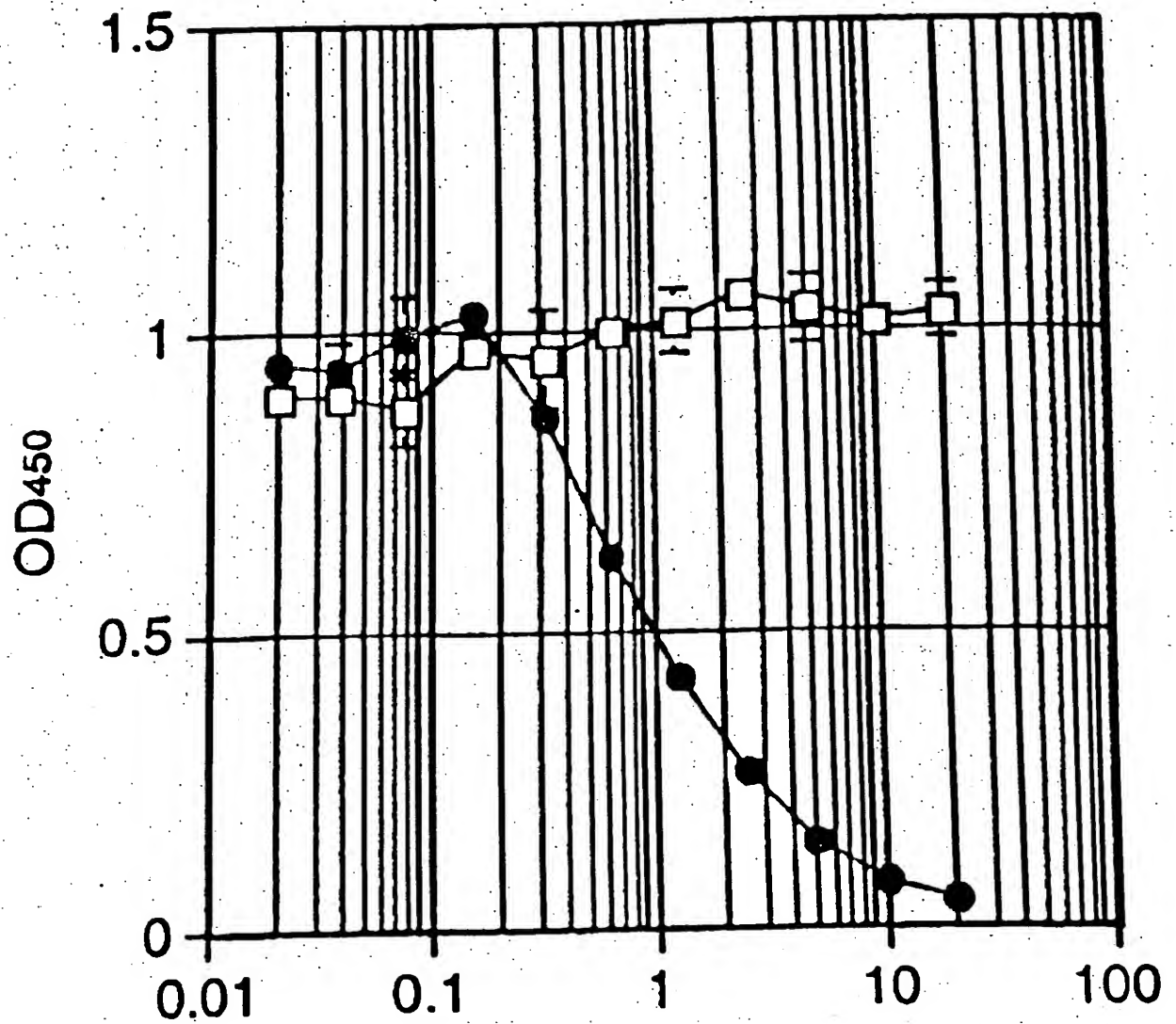


FIG. 76

Applicant(s): Takashi Tsuji et al.

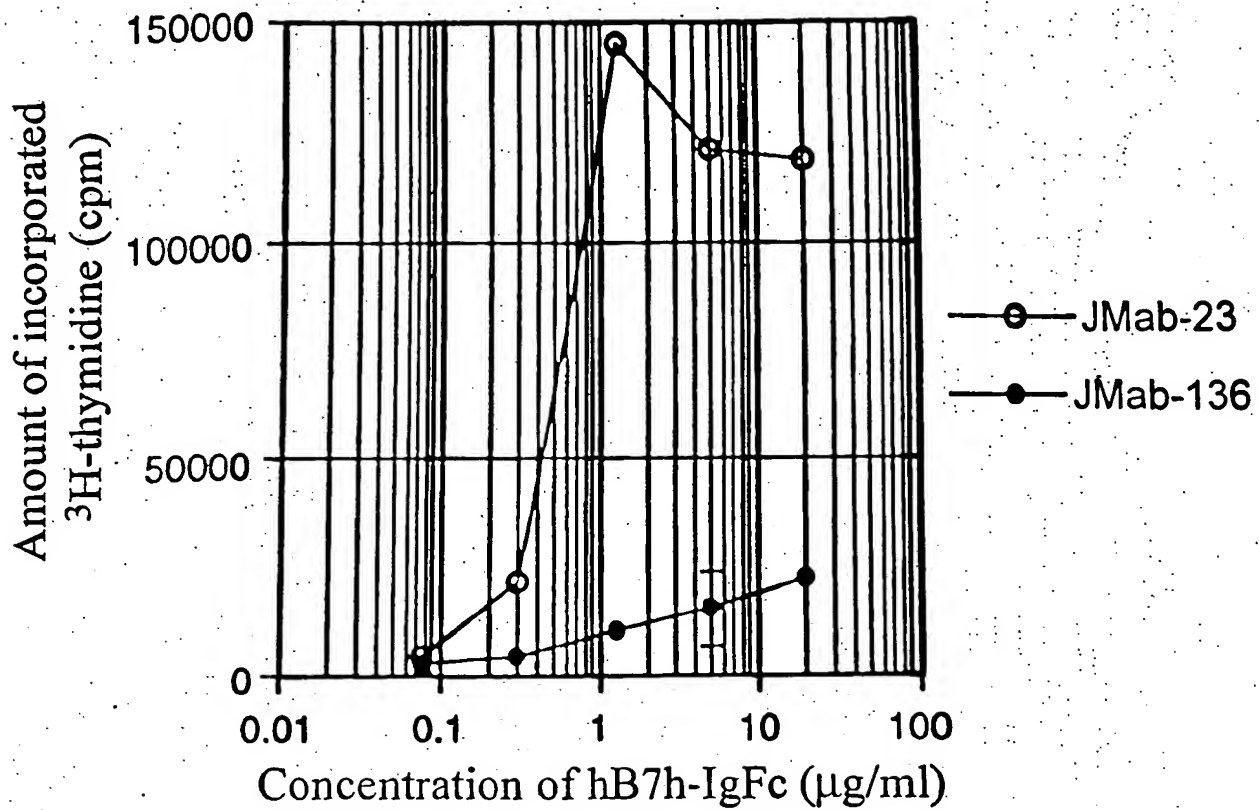
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 77

Applicant(s): Takashi Tsuji et al.

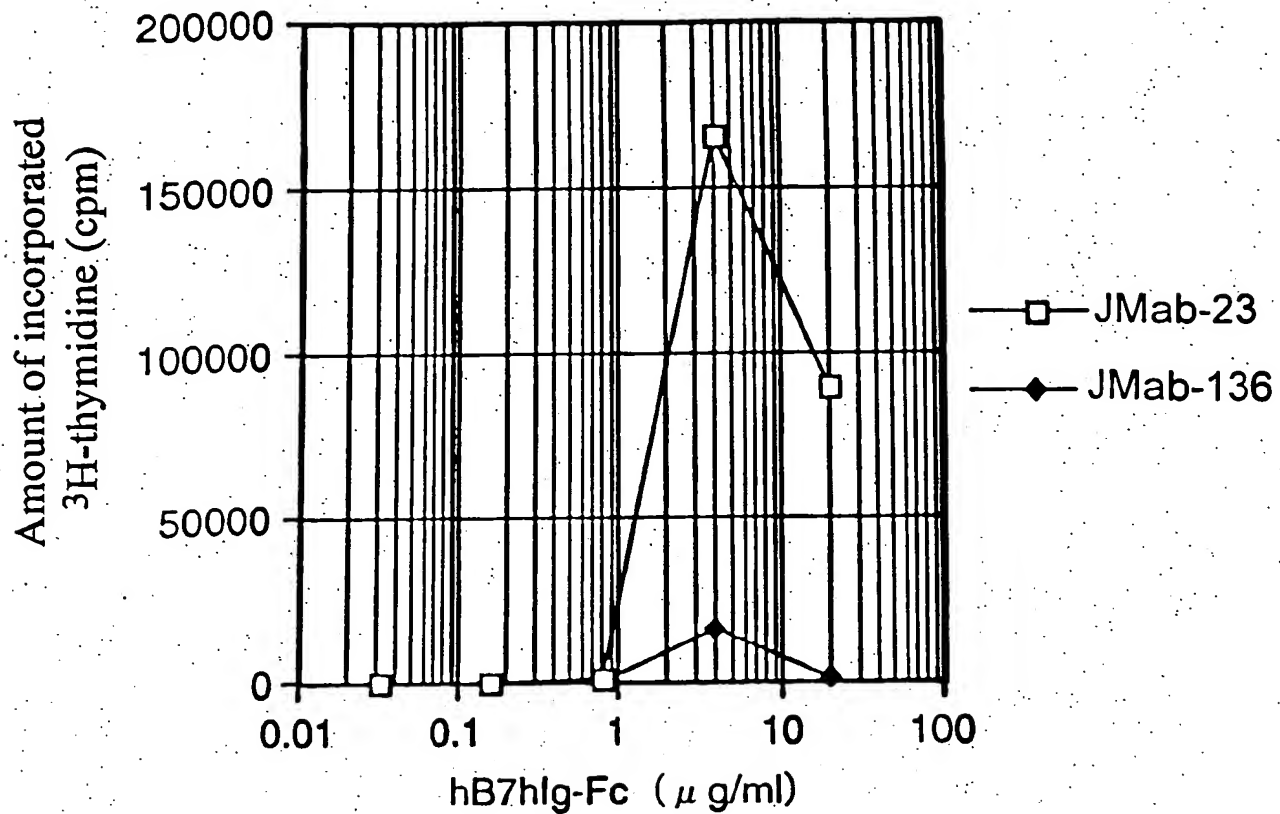
HUMAN MONOCLONAL ANTIBODY AGAINST A  
COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE  
AILIM AND PHARMACEUTICAL USE THEREOF

FIG. 78